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OM nucleic - nucleic search, using sw model

Run on: August 28, 2003, 05:43:06 ; Search time 154.543 Seconds  
(without alignments)  
489.084 Million cell updates/sec

Title: US-10-054-444-3

Perfect score: 28  
Sequence: 1 ggggctgcaggtcaagatggcgaaact 28

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 2552756 seqs, 1349719017 residues

Total number of hits satisfying chosen parameters: 5105512

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : N\_Geneseq\_19Jun03.\*  
1: /SIDSI/gcgdata/geneseq/geneseqn-emb1/NA1980.DAT.\*  
2: /SIDSI/gcgdata/geneseq/geneseqn-emb1/NA1981.DAT.\*  
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17: /SIDSI/gcgdata/geneseq/geneseqn-emb1/NA1996.DAT.\*  
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21: /SIDSI/gcgdata/geneseq/geneseqn-emb1/NA2000.DAT.\*  
22: /SIDSI/gcgdata/geneseq/geneseqn-emb1/NA2001A.DAT.\*  
23: /SIDSI/gcgdata/geneseq/geneseqn-emb1/NA2001B.DAT.\*  
24: /SIDSI/gcgdata/geneseq/geneseqn-emb1/NA2002.DAT.\*  
25: /SIDSI/gcgdata/geneseq/geneseqn-emb1/NA2003.DAT.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	28	100.0	28	AA15743	Forward PCR primer
2	21.6	77.1	1213	ABL99852	Human secretory po
3	21.6	77.1	1340	ABL99929	Human secretory po
4	21.6	77.1	4827	ABT17105	Androgen-independe
5	20.6	73.6	211	AA558690	CPNA-#366-encodin
6	20.6	73.6	476	12	TRFP chain 2, lon
7	20.6	73.6	476	21	Feet-reactive fe
8	20.6	73.6	476	21	Feline human TRFP

9	20.6	73.6	476	21	AAA07437	Cat TRFP chain 2 1
10	20.6	73.6	476	21	AA288617	Human TRFP chain 2
11	20.6	73.6	485	14	AAQ41558	TRFP chain 2 (with
12	20.6	73.6	485	14	AAQ49535	Human T cell react
13	20.6	73.6	714	22	AAK57598	Human immune/haema
14	20.6	73.6	715	22	AAK70596	Human immune/haema
15	20.6	73.6	715	22	AAK70897	Human immune/haema
16	20.6	73.6	1790	22	AAFP33217	Human secreted pro
17	20.6	73.6	1790	25	AB273524	Secreted protein-e
18	20.6	73.6	1945	21	AAAC98030	Human colon cancer
19	20.6	73.6	2093	21	AAAC77484	Human OREF ORF3039
20	19.6	70.0	34980	22	AAH41226	Pyrococcus abyssi
21	19.2	68.6	705	23	AA554078	Pseudomonas aerugi
22	19.2	68.6	4403765	22	AAI99683	Mycobacterium tube
23	19.2	68.6	4411529	22	AAI99682	Mycobacterium tube
24	19	67.9	191	21	AAAC04984	Human secreted pro
25	19	67.9	721	20	AAZ16112	Human gene express
26	19	67.9	4403765	22	AAI99683	Mycobacterium tube
27	19	67.9	4411529	22	AAI99682	Mycobacterium tube
28	18.8	67.1	201	23	ABV08361	Human prostate exp
29	18.8	67.1	419	21	AAAC01056	Human secreted pro
30	18.8	67.1	626	23	ABV38268	Human prostate exp
31	18.6	66.4	632	21	AAFP08272	Fusarium venenatum
32	18.6	66.4	1664	24	ABK33562	CDNA encoding huma
33	18.6	66.4	1910	24	AAI43595	Rat alpha-1-3-fuco
34	18.4	65.7	378	24	ABN77103	Human ORF2050 CDNA
35	18.4	65.7	692	21	AAAF15199	Trichoderma reesei
36	18.4	65.7	1271	23	AAAS85363	DNA encoding novel
37	18.4	65.7	2040	23	AAAS72771	DNA encoding novel
38	18.4	65.7	2649	23	AAAS85354	DNA encoding novel
39	18.4	65.7	2967	23	ABL04125	Drosophila melanog
40	18.4	65.7	5394	23	ABL04124	Drosophila melanog
41	18.4	65.7	111282	24	ABS55190	Genomic DNA encodi
42	18.4	65.7	111282	24	AAI44261	Human phosphodiast
43	18.2	65.0	244	22	AAK53931	Murine replication
44	18.2	65.0	381	24	ABN22294	Human OREF polynuc
45	18.2	65.0	783	23	ABK43723	DNA encoding novel

## ALIGNMENTS

RESULT 1  
AA15743  
ID AAA15743 standard; DNA; 28 BP.

XX AAA15743;

AC AAA15743;

XX 15-AUG-2000 (first entry)

DT Forward PCR primer used to clone chain 2 of Fel d1 into pCR2.1.

DE PCR primer; cat allergen; Fel d1; recombinant Fel d1 antigen; diagnosis;  
XX protect; allergy; H22; anti-CD64 antibody; chain 2; ss.

OS Felis sp.

XX WO200020032-A1.

XX 13-APR-2000.

XX 05-OCT-1999; 99WO-US23251.

XX 06-OCT-1998; 98US-0103284.

XX (DART-) DARTMOUTH COLLEGE.

XX (MEDA-) MEDAREX INC.

XX Guyre PM, Goldstein JJ, Wu Z, Sun W;

XX WPI; 2000-303643/26.

XX Baculovirus composition for diagnosis of and protection against a cat

```

PT allergy in humans comprises recombinant Fel dI -
XX Example 1; Page 4; 15pp; English.
XX
CC This sequence represents a PCR primer used to clone the cat allergen Fel
CC dI chain 2 nucleotide sequence into plasmid pCR2.1. Fel dI is the major
CC allergen from cats, and consists of two polypeptide chains, chain 1 and
CC chain 2 which are normally linked by a disulfide bond. The PCR product is
CC used in the generation of a recombinant Fel dI antigen in which the two
CC chains are expressed in series, linked together by a glycine/serine
CC linker, and targeted to CD64 through linkage to the sfv of monoclonal
CC antibody (Mab) H22. Mab H22 is a humanised anti-CD64 antibody. The
CC inclusion of the H22 sfv targets the fusion protein to monocytes and
CC dendritic cells. The invention relates to the expression of the
CC recombinant Fel dI cat allergen, and its use in a method for diagnosing
CC a human with cat allergy. The administration of a composition comprising
CC the baculovirus expressed recombinant Fel dI allergen can be used to
CC protect against cat allergy in a human. Expressing recombinant Fel dI in
CC a baculovirus improves its immunoreactivity for immunoglobulins E and G.
XX
SQ Sequence 28 BP; 7 A; 5 C; 12 G; 4 T; 0 other;
Query Match 100.0%; Score 28; DB 21; Length 28;
Best Local Similarity 100.0%; Pred. NO. 0.036;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGCTGCAGGTCAGATGCGGAACT 28
DB 1 GGGGCTGCAGGTCAGATGCGGAACT 28

RESULT 2
ABL99852
ID ABL99852 standard; cDNA; 1213 BP.
XX
AC ABL99852;
DT 03-OCT-2002 (first entry)
XX
DE Human secretory polynucleotide (sptm) 107.
XX
KW Human; ss; gene; secretory protein; secretory polynucleotides; SPTM;
KW SPTM-related disease; somatic gene therapy; germline gene therapy;
KW severe combined immunodeficiency; intracellular parasite protection;
KW fungal parasite; protozoan parasite; cell proliferative disorder; cancer;
KW immune disorder; AIDS; neurological disorder; Parkinson's disease;
KW motor neuron disorder; demyelinating disease; multiple sclerosis;
KW meningitis; abscess; prion diseases; cerebral palsy;
KW dermatomyositis; polynucleotides; myopathy; myasthenia gravis;
KW mental disorder; Tourette's syndrome.
XX
OS Homo sapiens.
XX
PN WO200220756-A2.
XX
PD 14-MAR-2002.
XX
PF 30-AUG-2001; 2001WO-US27297.
XX
PR 05-SEP-2000; 2000US-229747P.
PR 05-SEP-2000; 2000US-229748P.
PR 05-SEP-2000; 2000US-229749P.
PR 05-SEP-2000; 2000US-229750P.
PR 05-SEP-2000; 2000US-229751P.
PR 05-SEP-2000; 2000US-230016P.
PR 05-SEP-2000; 2000US-230583P.
PR 06-SEP-2000; 2000US-230585P.
PR 06-SEP-2000; 2000US-230514P.
PR 06-SEP-2000; 2000US-230515P.
PR 06-SEP-2000; 2000US-230517P.
PR 06-SEP-2000; 2000US-230518P.
PR 06-SEP-2000; 2000US-230519P.

PR 06-SEP-2000; 2000US-230595P.
PR 06-SEP-2000; 2000US-230596P.
PR 06-SEP-2000; 2000US-230597P.
PR 06-SEP-2000; 2000US-230598P.
PR 06-SEP-2000; 2000US-230610P.
PR 06-SEP-2000; 2000US-230864P.
PR 06-SEP-2000; 2000US-230865P.
PR 06-SEP-2000; 2000US-230988P.
PR 06-SEP-2000; 2000US-230989P.
PR 06-SEP-2000; 2000US-230990P.
PR 07-SEP-2000; 2000US-230896P.
PR 07-SEP-2000; 2000US-230897P.
PR 07-SEP-2000; 2000US-230951P.
PR 07-SEP-2000; 2000US-231163P.
PR 07-SEP-2000; 2000US-231832P.
XX
XX (INCY-) INCYTE GENOMICS INC.
XX
PI Stuart J, Lincoln SE, Altus CM, Dufour GE, Chalup MS, Hillman JL;
PI Jones AL, Yu JY, Wright RJ, Gietzen D, Liu TF, Yap PE, Dahl CR;
PI Momiya MG, Bradley DL, Rohatgi SD, Harris B, Roseberry AM;
PI Gerstein EH, Peralta CH, David MH, Panzer SR, Flores V, Daffo A;
PI Marwaha R, Chen AJ, Chang SC, Au AP, Inman RR;
XX
XX WPI; 2002-315658/35.
XX P-PSDB; ABB97855.
XX
XX Polynucleotide sequences encoding human secretory proteins useful for
XX gene therapy of e.g. genetic deficiency disorders, cancers, and
XX diseases caused by intracellular parasites -
XX
XX Claim 1; Page 314; 585pp; English.
XX
CC The invention comprises the amino acid and coding sequences of human
CC secretory (SPTM) proteins. The SPTM DNA and amino acid sequences are
CC useful for treating a disease or condition associated with the expression
CC of functional SPTM. The SPTM DNA sequences are useful for somatic or
CC germline gene therapy to correct a genetic deficiency (e.g. severe
CC combined immunodeficiency). The SPTM DNA sequences are also useful in
CC providing protection against intracellular parasites (e.g. fungal
CC parasites and protozoan parasites). The SPTM DNA and protein sequences
CC are also useful for diagnosing cell proliferative disorders, cancer,
CC immune disorders (e.g. AIDS), neurological disorders (e.g. Parkinson's
CC disease), motor neuron disorders, demyelinating diseases (e.g. multiple
CC sclerosis), meningitis, abscesses, prion diseases, cerebral palsy,
CC neuroskeletal disorders, peripheral nervous system disorders,
CC dermatomyositis and polynucleotides, myopathy, myasthenia gravis, and mental
CC disorders (e.g. Tourette's syndrome). cDNA sequences ABL99746 - ABL99929
CC represent human secretory polynucleotides of the invention.
XX
SQ Sequence 1213 BP; 372 A; 236 C; 262 G; 335 T; 8 other;
Query Match 77.1%; Score 21.6; DB 24; Length 1213;
Best Local Similarity 85.7%; Pred. NO. 22;
Matches 24; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GGGGCTGCAGGTCAGATGCGGAACT 28
DB 519 GGGGCTGCAGGTTAAGATGACGGAAAT 546

RESULT 3
ABL99929
ID ABL99929 standard; cDNA; 1340 BP.
XX
AC ABL99929;
XX
DT 03-OCT-2002 (first entry)
XX
DE Human secretory polynucleotide (sptm) 184.
XX
KW Human; ss; gene; secretory protein; secretory polynucleotides; SPTM;
KW SPTM-related disease; somatic gene therapy; germline gene therapy;

```

KW severe combined immunodeficiency; intracellular parasite protection;  
 KW fungal parasite; protozoan parasite; cell proliferative disorder; cancer;  
 KW immune disorder; AIDS; neurological disorder; Parkinson's disease;  
 KW motor neuron disorder; demyelinating disease; multiple sclerosis;  
 KW meningitis; abscess; prion diseases; cerebral palsy;  
 KW neuroskeletal disorder; peripheral nervous system disorder;  
 KW dermatomyositis; polymyositis; myopathy; myasthenia gravis;  
 KW mental disorder; Tourette's syndrome.  
 XX Homo sapiens.  
 OS  
 XX  
 XX WO200220756-A2.  
 PN  
 XX  
 XX 14-MAR-2002.  
 PD  
 XX  
 XX 30-AUG-2001; 2001WO-US27297.  
 XX  
 XX 05-SEP-2000; 2000US-229747P.  
 PR  
 XX 05-SEP-2000; 2000US-229748P.  
 PR  
 XX 05-SEP-2000; 2000US-229749P.  
 PR  
 XX 05-SEP-2000; 2000US-229750P.  
 PR  
 XX 05-SEP-2000; 2000US-229751P.  
 PR  
 XX 05-SEP-2000; 2000US-230016P.  
 PR  
 XX 05-SEP-2000; 2000US-230583P.  
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 XX 06-SEP-2000; 2000US-230505P.  
 PR  
 XX 06-SEP-2000; 2000US-230514P.  
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 XX 06-SEP-2000; 2000US-230515P.  
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 XX 06-SEP-2000; 2000US-230517P.  
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 XX 06-SEP-2000; 2000US-230518P.  
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 XX 06-SEP-2000; 2000US-230519P.  
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 XX 06-SEP-2000; 2000US-230595P.  
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 XX 06-SEP-2000; 2000US-230596P.  
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 XX 06-SEP-2000; 2000US-230597P.  
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 XX 06-SEP-2000; 2000US-230599P.  
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 XX 06-SEP-2000; 2000US-230610P.  
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 XX 06-SEP-2000; 2000US-230844P.  
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 XX 06-SEP-2000; 2000US-230855P.  
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 XX 06-SEP-2000; 2000US-230988P.  
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 XX 06-SEP-2000; 2000US-230989P.  
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 XX 06-SEP-2000; 2000US-230990P.  
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 XX 07-SEP-2000; 2000US-230896P.  
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 XX 07-SEP-2000; 2000US-230911P.  
 PR  
 XX 07-SEP-2000; 2000US-231163P.  
 PR  
 XX 07-SEP-2000; 2000US-231832P.  
 XX  
 XX (INCY-) INCYTE GENOMICS INC.  
 PA  
 XX Stuart J, Lincoln SE, Altus CM, Dufour GE, Chalup MS, Hillman JL;  
 PI Jones AL, Yu JY, Wright RJ, Gietzen D, Liu TF, Yap PE, Dahl CR;  
 PI Momiya MG, Bradley DL, Rohatgi SD, Harris B, Roseberry AM;  
 PI Gerstin EH, Peralta CH, David MH, Panzer SR, Flores V, Daffo A;  
 PI Marwaha R, Chen AJ, Chang SC, Au AP, Inman RR;  
 XX WPI; 2002-315658/35.  
 DR  
 DR P-PSDB; ABB97933.  
 XX  
 XX Polynucleotide sequences encoding human secretory proteins useful for  
 PT gene therapy of e.g. genetic deficiency disorders, cancers, and  
 PT diseases caused by intracellular parasites -  
 XX  
 XX Claim 1; Page 364-365; 585pp; English.  
 PS  
 XX The invention comprises the amino acid and coding sequences of human  
 CC secretory (SPTM) proteins. The SPTM DNA and amino acid sequences are  
 CC useful for treating a disease or condition associated with the expression  
 CC of functional SPTM. The SPTM DNA sequences are useful for somatic or  
 CC germline gene therapy to correct a genetic deficiency (e.g. severe  
 CC combined immunodeficiency). The SPTM DNA sequences are also useful in  
 CC providing protection against intracellular parasites (e.g. fungal  
 CC parasites and protozoan parasites). The SPTM DNA and protein sequences  
 CC are also useful for diagnosing cell proliferative disorders, cancer,  
 CC immune disorders (e.g. AIDS), neurological disorders (e.g. Parkinson's

CC disease), motor neuron disorders, demyelinating diseases (e.g. multiple  
 CC sclerosis), meningitis, abscesses, prion diseases, cerebral palsy,  
 CC neuroskeletal disorders, peripheral nervous system disorders,  
 CC dermatomyositis and polymyositis, myopathy, myasthenia gravis, and mental  
 CC disorders (e.g. Tourette's syndrome). cDNA sequences ABL99746 - ABL99929  
 CC represent human secretory polynucleotides of the invention.  
 XX  
 SQ Sequence 1340 BP; 418 A; 253 C; 298 G; 371 T; 0 other;

Query Match 77.1%; Score 21.6; DB 24; Length 1340;  
 Best Local Similarity 85.7%; Pred. No. 23;  
 Matches 24; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GGGGCTGCAGTCAAGATGCGCGAAACT 28  
 |||||  
 DB 646 GCGGCTGCAGTTAAGATGACGCGAAAT 673

## RESULT 4

ABT17105

ID ABT17105 standard; DNA; 4827 BP.

XX AC ABT17105;

XX DT 10-APR-2003 (first entry)

XX DE Androgen-independent prostate cancer-related DNA - SEQ ID NO 47.

XX KW Gene; ds; androgen-independent cancer; androgen ablation therapy;

XX KW prostate cancer; androgen-dependent prostate cancer; prostate cancer.

XX OS Unidentified.

XX PN WO200298358-A2.

XX PD 12-DEC-2002.

XX PF 04-JUN-2002; 2002WO-US17594.

XX PR 04-JUN-2001; 2001US-295917P.

XX PR 13-NOV-2001; 2001US-350666P.

XX PR 29-MAR-2002; 2002US-368899P.

XX PR 12-APR-2002; 2002US-372246P.

XX PR 31-MAY-2002; 2002US-0160233.

XX PA (EOSB-) EOS BIOTECHNOLOGY INC.

XX PI Afar DEH, Agus D, Mack DH;

XX DR WPI; 2003-148602/14.

XX PT Detecting an androgen-independent prostate cancer cell in a sample or

XX PT diagnosing androgen-dependent prostate cancer, by determining the

XX PT presence or absence of genes whose expressions are up- or

XX PT down-regulated -

XX PS Claim 1; Page 200-201; 210pp; English.

XX CC The invention comprises a method for detecting an androgen-independent

XX CC cancer cell in a sample from a patient who has undergone androgen

XX CC ablation therapy. The method involves determining the presence or absence

XX CC of nucleic acids that are either up-regulated or down-regulated in

XX CC prostate cancer. The method is useful for detecting an androgen-

XX CC independent prostate cancer cell in a sample from a patient who has

XX CC undergone androgen ablation therapy. The method is particularly useful

XX CC for diagnosing androgen-dependent prostate cancer, prostate cancer

XX CC undergoing androgen withdrawal, or androgen-independent prostate cancer.

XX CC The present DNA sequence represents a nucleic acid of the invention that

XX CC is either up-regulated or down-regulated in prostate cancer.

XX SQ Sequence 4827 BP; 1302 A; 1116 C; 1056 G; 1353 T; 0 other;

XX Query Match 77.1%; Score 21.6; DB 25; Length 4827;



```

XX DE T cell reactive feline protein chain 2 long form DNA.
XX KW Cat; allergy; human T cell reactive feline protein; hTRFP;
XX KW immunotherapy; ss.
XX OS Felis sp.
XX XX
XX PN US6120769-A.
XX PD 19-SEP-2000.
XX PF 28-APR-1995; 95US-0431184.
XX PR 02-SEP-1994; 94US-0300928.
XX PR 03-NOV-1989; 89US-0431565.
XX PR 28-FEB-1991; 91US-0662276.
XX PR 13-DEC-1991; 91US-0807529.
XX PR 25-MAR-1992; 92US-0857311.
XX PR 15-MAY-1992; 92US-0884718.
XX PR 15-JAN-1993; 93US-0006116.
XX PA (IMMU-) IMMULOGIC PHARM CORP.
XX PI Geffer ML, Garman RD, Greenstein JL, Bond JF;
XX PI Greenstein JL, Griffith IJ, Garman RD;
XX DR WPI; 2000-601477/57.
XX DR P-PSDB; AAB28933.
XX XX
XX PT Detecting, preventing and treating sensitivity to cat protein allergen
XX PT comprises combining a biological sample with a human T cell reactive
XX PT feline protein and determining the extent of binding that occurs -
XX PS Disclosure; Figure 3; 106pp; English.
XX CC The present invention relates to the detection of sensitivity to a cat
XX CC protein allergen by combining a blood sample from a subject with a
XX CC peptide of human T cell reactive feline protein (hTRFP). This method
XX CC and the hTRFP peptides are useful for diagnosing, preventing and
XX CC treating cat allergies by reducing or abolishing an individual's
XX CC allergic response to a cat allergen. DNA encoding the TRFP may be
XX CC used as probes to locate equivalent sequences present in other species.
XX CC These may further be used to study the mechanism of immunotherapy of
XX CC cat allergy, and to design modified derivatives, analogues or
XX CC functional equivalents useful in immunotherapy. The present
XX CC sequence was used in the invention.
XX SQ Sequence 476 BP; 134 A; 117 C; 109 G; 116 T; 0 other;

Query Match 73.6%; Score 20.6; DB 21; Length 476;
Best Local Similarity 85.2%; Pred. No. 52;
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 GGGCTGCAGGTCAGATGCGGAACT 28
Db ||||| ||||| ||||| ||||| |||||
50 GCGCTGGCGTCAGATGCGGAACT 76

RESULT 8
AA12244
ID AA12244 standard; cDNA; 476 BP.
XX AA12244;
XX XX
XX 22-AUG-2000 (first entry)
XX XX
XX Feline human TRFP chain 2 long form cDNA.
XX DE
XX T-cell reactive feline protein; TRFP; Fel d I; cat allergen;
XX KW antiallergic; T cell stimulator; diagnostic; immunotherapy; ss.
XX OS Felis sp.
XX XX

US6048962-A.
XX 11-APR-2000.
XX 27-APR-1995; 95US-0430014.
XX 02-SEP-1994; 94US-0300928.
XX 03-NOV-1989; 89US-0431565.
XX 28-FEB-1991; 91US-0662276.
XX 13-DEC-1991; 91US-0807529.
XX 25-MAR-1992; 92US-0857311.
XX 15-MAY-1992; 92US-0884718.
XX 15-JAN-1993; 93US-0006116.
XX (IMMU-) IMMULOGIC PHARM CORP.
XX Kuo M, Rogers BL, Geffer ML, Morgenstern JP, Brauer AW;
XX Greenstein JL, Griffith IJ, Garman RD;
XX WPI; 2000-316905/27.
XX P-PSDB; AAY87673.
XX New human T cell reactive feline protein useful for reducing or
XX abolishing individual's allergic response to cat allergen comprising
XX two different covalently linked peptide chains -
XX Claim 3; Column 75-76; 106pp; English.
XX This invention describes a novel naturally occurring cat protein allergen
XX (I), human T cell reactive feline protein (TRFP), comprising two
XX different covalently linked peptide chains with a molecular weight of 20
XX kD, 40 kD or 130 kD under non-reducing conditions and 5 kD or 10-18 kD
XX under reducing conditions. The products of the invention have
XX antiallergic activity and act as human T cell stimulators. TRFP is useful
XX for reducing or preventing the adverse effects of cat allergens on cat
XX allergic individuals and in ex vivo diagnostic tests to determine which
XX peptides cause sensitivity so as to selectively use them to desensitize
XX a cat sensitive individual. Purified TRFP is also useful for studying
XX the mechanism of immunotherapy of cat allergy and to design modified
XX derivatives, analogs or functional equivalents that are more useful in
XX immunotherapy against cat allergy. DNA sequences encoding TRFP are
XX useful as probes to locate equivalent sequences present in other species
XX (goats, sheep, dogs, rabbits or horses) that may be useful in diagnostics
XX and/or therapeutics. Fully defined and characterized TRFP provides
XX complete and a very simple desensitization therapy. This sequence
XX encodes a human T cell reactive feline protein (also known as Fel d I)
XX chain 2, long form which is described in the method of the invention.
XX SQ Sequence 476 BP; 134 A; 117 C; 109 G; 116 T; 0 other;

Query Match 73.6%; Score 20.6; DB 21; Length 476;
Best Local Similarity 85.2%; Pred. No. 52;
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 GGGCTGCAGGTCAGATGCGGAACT 28
Db ||||| ||||| ||||| ||||| |||||
50 GCGCTGGCGTCAGATGCGGAACT 76

RESULT 9
AAA07437
ID AAA07437 standard; cDNA; 476 BP.
XX AAA07437;
XX XX
XX 13-JUL-2000 (first entry)
XX DT
XX Cat TRFP chain 2 long form protein coding sequence.
XX DE
XX Cat; TRFP; human T-cell reactive feline protein; cat protein allergen;
XX KW house dust; Fel d I; cat allergy; Felis domesticus sensitivity; therapy;
XX KW diagnosis; goat; sheep; horse; rabbit; dog; ss.
XX XX

```

OS Felis domesticus.

XX Key Location/Qualifiers

PH CDS 2..337

FT sig\_peptide /\*tag= a

FT mat\_peptide /\*tag= b

FT 59..334

FT /\*tag= c

XX US6025162-A.

PN 15-FEB-2000.

XX 28-APR-1995; 95US-0430944.

XX 02-SEP-1994; 94US-0300928.

PR 03-NOV-1989; 89US-0431565.

PR 28-FEB-1991; 91US-0662276.

PR 13-DEC-1991; 91US-0807529.

PR 25-MAR-1992; 92US-0857311.

PR 15-MAY-1992; 92US-0884718.

PR 15-JAN-1993; 93US-0006116.

XX (IMMU-) IMMULOGIC PHARM CORP.

PA Morgenstern JP, Griffith IJ, Rogers BL;

PI WPI; 2000-181812/16.

XX P-PSDB; AAY90103.

DR New human T cell reactive feline protein, useful for desensitizing cat

PT allergic individuals to cat allergens -

XX Claim 2; Fig 3; 108pp; English.

XX This sequence encodes a peptide chain of the human T cell reactive feline

CC protein (TRFP) of the invention. The protein is a cat protein allergen,

CC and was isolated from a vacuum bag extract obtained by affinity

CC purification of house dust collected from several homes with cats. TRFP

CC is composed of two covalently linked peptide chains, and is also referred

CC to as Fel d I. TRFP and its peptides are useful for reducing or

CC preventing the adverse effects that exposure to cat allergens normally

CC has on cat allergic individuals (i.e. to desensitize individuals to cat

CC allergens or block the effect of the allergens). TRFP is also used in

CC methods of diagnosing sensitivity to feline domesticus in an individual.

CC DNA sequences encoding TRFP can be used as probes to locate equivalent

CC sequences present in other species, e.g. goat, sheep, horse, rabbit and

CC dog, that may be useful in a diagnostic and/or therapeutic applications.

XX Sequence 476 BP; 134 A; 117 C; 109 G; 116 T; 0 other;

SQ Query Match 73.6%; Score 20.6; DB 21; Length 476;

Best Local Similarity 85.2%; Pred. No. 52;

Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 GCGCTGCAGTCAAGATGGCGGAACT 28

DB 50 GCGCTGGCGTCAAGATGGCGGAACT 76

RESULT 10

AAZ88617

ID AAZ88617 standard; cDNA; 476 BP.

XX AAZ88617;

AC 22-MAY-2000 (first entry)

DT Human TRFP chain 2 (long form) cDNA fragment.

XX T-cell reactive feline protein; TRFP; T cell epitope; T cell receptor;

KW down regulation; immune response; allergen; immunoglobulin E;

KW

KW sensitivity; cat protein allergen; human; chain 2; ss.

XX Homo sapiens.

XX Key Location/Qualifiers

PH CDS 1..337

FT /\*tag= a

FT /\*tag= partial

FT /\*product= "TRFP chain 2 long form"

XX US6019972-A.

PN 01-FEB-2000.

XX 02-SEP-1994; 94US-0300928.

XX 03-NOV-1989; 89US-0431565.

PR 28-FEB-1991; 91US-0662276.

PR 13-DEC-1991; 91US-0807529.

PR 25-MAR-1992; 92US-0857311.

PR 15-MAY-1992; 92US-0884718.

PR 15-JAN-1993; 93US-0006116.

XX (IMMU-) IMMULOGIC PHARM CORP.

PA Garman RD, Greenstein JL, Kuo M, Briner TJ, Morville M, Gefter ML;

PI WPI; 2000-146862/13.

XX P-PSDB; AAY51470.

DR Peptides of human T cell reactive feline protein for treating

PT sensitivity to cat protein allergens comprise at least one T cell

PT epitope recognized by a T cell receptor specific for the human T cell

PT reactive feline protein -

XX Example 2; Column 75-76; 105pp; English.

XX This invention describes a novel peptide (I) of human T cell reactive

CC feline protein (hTRFP) having at least one T cell epitope recognized

CC by a T cell receptor specific for the human T cell reactive feline

CC protein, the peptide consisting of at least 7-30 amino acids, and having

CC an amino acid sequence derived from an amino acid sequence comprising 94,

CC 96, 97, 109, or 111 residues, given in the specification. The peptides

CC down regulate the immune response to the allergen. The peptides have

CC reduced immunoglobulin E binding and reduce T cell responsiveness. The

CC peptide (I) is useful in compositions for treating sensitivity to a cat

CC protein allergen in a subject. This sequence encodes the human TRFP

CC chain 2 (long form).

XX Sequence 476 BP; 134 A; 117 C; 109 G; 116 T; 0 other;

SQ Query Match 73.6%; Score 20.6; DB 21; Length 476;

Best Local Similarity 85.2%; Pred. No. 52;

Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 GCGCTGCAGTCAAGATGGCGGAACT 28

DB 50 GCGCTGGCGTCAAGATGGCGGAACT 76

RESULT 11

AAQ41558

ID AAQ41558 standard; DNA; 485 BP.

XX AAQ41558;

AC 25-MAR-2003 (updated)

DT 12-AUG-1993 (first entry)

XX TRFP chain 2 (with Leader).

XX Human T cell reactive feline protein; TRFP; leader A; leader B;

KW epitope; ss.

KW

XX	Felis.
OS	
XX	
FH	Key Location/Qualifiers
FT	8..58
FT	/tag= a
FT	CDS
FT	8..337
FT	/tag= b
XX	
PN	WO9308280-A1.
XX	
XX	
PD	29-APR-1993.
XX	
PF	16-OCT-1992; 92WO-US08694.
XX	
PR	16-OCT-1991; 91US-0777859.
PR	13-DEC-1991; 91US-0807529.
XX	
PA	(IMMU-) IMMUNOLOGIC PHARM CORP.
XX	
PI	Bond JF, Garman RD, Kuo M, Morgenstern JP, Morville M;
PI	Rogers BL;
XX	
DR	WPI; 1993-152473/18.
DR	P-FSDB; AAR36541.
XX	
PT	Recombinant peptide having T-cell stimulating activity - for the
PT	diagnosis and treatment of sensitivity to protein allergens,
PT	autoantigens and protein antigens
XX	
PS	Disclosure; Fig 2; 73pp; English.
XX	
CC	Chains 1 and 2 of the TRFP have been recombinantly expressed in E.
CC	coli and purified. T cell epitope studies using overlapping peptide
CC	regions derived from the TRFP amino acids sequence were used to
CC	identify multiple T cell epitopes in each chain of TRFP.
CC	(Updated on 25-MAR-2003 to correct PN field.)
XX	
SQ	Sequence 485 BP; 144 A; 116 C; 109 G; 116 T; 0 other;
	Query Match 73.6%; Score 20.6; DB 14; Length 485;
	Best Local Similarity 85.2%; Pred. No. 52;
	Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY	2 GGCGTCGAGGTCAAGATGGCGGAAC 28
Db	50 GCAGTGGCGTCAAGATGGCGGAAC 76
	RESULT 12
AAQ49535	
ID	AAQ49535 standard; DNA; 485 BP.
XX	
AC	AAQ49535;
XX	
DT	25-MAR-2003 (updated)
DT	21-APR-1994 (first entry)
XX	
DE	Human T cell reactive feline protein chain 2 DNA.
XX	
KW	Human; T cell; reactive; feline; protein; immune response; antigen;
KW	tolerance; mammal; Dermatophagoides; Felis; Ambrosia; Lolium; Canis;
KW	Cryptomeria; Alternaria; Alder; Betula; Quercus; Olea; Artemesia;
KW	Plantago; Parietaria; Blattella; Apis; Periplaneta; autoantigen; ss.
XX	
OS	Homo sapiens.
XX	
FH	Key Location/Qualifiers
FT	8..337
FT	/tag= a
FT	CDS
FT	/product= TRFP chain 2
FT	8..58
FT	/tag= b
FT	sig_peptide
FT	





CC AAK54951 to AAK64702 encode the human immune/haematopoietic antigen (I)  
 CC amino acid sequences given in AAK82170 to AAK91921. (I) have cytostatic  
 CC activity, and can be used in gene therapy and vaccine production. (I)  
 CC proteins and polynucleotides may be used in the prevention, diagnosis and  
 CC treatment of diseases associated with inappropriate (I) expression. For  
 CC example, they may be used to treat disorders associated with decreased  
 CC expression by rectifying mutations or deletions in a patient's genome  
 CC that affect the activity of (I) by expressing inactive proteins or to  
 CC supplement the patient's own production of (I). Additionally, (I)  
 CC polynucleotides may be used to produce the secreted (I), by inserting  
 CC the nucleic acids into a host cell and culturing the cell to express the  
 CC protein. (I) proteins and polynucleotides may be used to prevent,  
 CC diagnose and treat immune/haematopoietic-related diseases, especially  
 CC cancers and cancer metastases of haematopoietic-derived cells. AAK64703  
 CC to AAK87694 represent human immune/haematopoietic antigen genomic  
 CC sequences from the present invention. AAK54942 to AAK54950 and AAK82169  
 CC represent sequences used in the exemplification of the present invention.

XX Sequence 714 BP; 208 A; 160 C; 174 G; 165 T; 7 other;

Query Match 73.6%; Score 20.6; DB 22; Length 714;  
 Best Local Similarity 85.2%; Pred. No. 54;  
 Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GGGGCTGCAGTCAAGATGCGGAAC 27  
 | ||||| ||||| ||||| ||||| |||||  
 Db 170 GCGGCTGCTGTCAGATGAGGAAC 144

## RESULT 14

AAK70696/c  
 ID AAK70696 standard; DNA; 715 BP.  
 XX  
 AC AAK70696;  
 DT  
 DX 06-NOV-2001 (first entry)  
 XX  
 DE Human immune/haematopoietic antigen genomic sequence SEQ ID NO:25508.  
 XX  
 KW Human; immune; haematopoietic; immune/haematopoietic antigen; cancer;  
 KW cytostatic; gene therapy; vaccine; metastasis; ds.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200157182-A2.  
 XX  
 PD 09-AUG-2001.  
 XX  
 PF 17-JAN-2001; 2001WO-US01354.  
 XX  
 XX 31-JAN-2000; 2000US-0179065.  
 PR 04-FEB-2000; 2000US-0180628.  
 PR 24-FEB-2000; 2000US-0184664.  
 PR 02-MAR-2000; 2000US-0186350.  
 PR 16-MAR-2000; 2000US-0189874.  
 PR 17-MAR-2000; 2000US-0190076.  
 PR 18-APR-2000; 2000US-0198123.  
 PR 19-MAY-2000; 2000US-0205515.  
 PR 07-JUN-2000; 2000US-0209467.  
 PR 28-JUN-2000; 2000US-0214886.  
 PR 30-JUN-2000; 2000US-0215135.  
 PR 07-JUL-2000; 2000US-0216647.  
 PR 07-JUL-2000; 2000US-0216880.  
 PR 11-JUL-2000; 2000US-0217487.  
 PR 11-JUL-2000; 2000US-0217496.  
 PR 14-JUL-2000; 2000US-0218290.  
 PR 26-JUL-2000; 2000US-0220963.  
 PR 14-AUG-2000; 2000US-0224518.  
 PR 14-AUG-2000; 2000US-0224519.  
 PR 14-AUG-2000; 2000US-0225213.  
 PR 14-AUG-2000; 2000US-0225214.  
 PR 14-AUG-2000; 2000US-0225266.

PR 14-AUG-2000; 2000US-0225267.  
 PR 14-AUG-2000; 2000US-0225268.  
 PR 14-AUG-2000; 2000US-0225270.  
 PR 14-AUG-2000; 2000US-0225447.  
 PR 14-AUG-2000; 2000US-0225477.  
 PR 14-AUG-2000; 2000US-0225758.  
 PR 14-AUG-2000; 2000US-0225759.  
 PR 18-AUG-2000; 2000US-0226279.  
 PR 22-AUG-2000; 2000US-0226681.  
 PR 22-AUG-2000; 2000US-0226868.  
 PR 23-AUG-2000; 2000US-0227182.  
 PR 23-AUG-2000; 2000US-0227009.  
 PR 30-AUG-2000; 2000US-0228924.  
 PR 01-SEP-2000; 2000US-0229287.  
 PR 01-SEP-2000; 2000US-0229343.  
 PR 01-SEP-2000; 2000US-0229344.  
 PR 01-SEP-2000; 2000US-0229345.  
 PR 05-SEP-2000; 2000US-0229509.  
 PR 05-SEP-2000; 2000US-0229513.  
 PR 06-SEP-2000; 2000US-0230437.  
 PR 06-SEP-2000; 2000US-0230438.  
 PR 08-SEP-2000; 2000US-0231242.  
 PR 08-SEP-2000; 2000US-0231243.  
 PR 08-SEP-2000; 2000US-0231244.  
 PR 08-SEP-2000; 2000US-0231413.  
 PR 08-SEP-2000; 2000US-0231414.  
 PR 08-SEP-2000; 2000US-0232080.  
 PR 12-SEP-2000; 2000US-0232081.  
 PR 14-SEP-2000; 2000US-0232968.  
 PR 14-SEP-2000; 2000US-0232997.  
 PR 14-SEP-2000; 2000US-0232998.  
 PR 14-SEP-2000; 2000US-0232999.  
 PR 14-SEP-2000; 2000US-0232400.  
 PR 14-SEP-2000; 2000US-0232401.  
 PR 14-SEP-2000; 2000US-0233063.  
 PR 14-SEP-2000; 2000US-0233064.  
 PR 21-SEP-2000; 2000US-0233065.  
 PR 21-SEP-2000; 2000US-0234223.  
 PR 21-SEP-2000; 2000US-0234274.  
 PR 25-SEP-2000; 2000US-0234997.  
 PR 25-SEP-2000; 2000US-0234998.  
 PR 26-SEP-2000; 2000US-0235484.  
 PR 27-SEP-2000; 2000US-0235834.  
 PR 27-SEP-2000; 2000US-0235836.  
 PR 29-SEP-2000; 2000US-0236327.  
 PR 29-SEP-2000; 2000US-0236367.  
 PR 29-SEP-2000; 2000US-0236368.  
 PR 29-SEP-2000; 2000US-0236369.  
 PR 29-SEP-2000; 2000US-0236370.  
 PR 02-OCT-2000; 2000US-0236802.  
 PR 02-OCT-2000; 2000US-0237037.  
 PR 02-OCT-2000; 2000US-0237038.  
 PR 02-OCT-2000; 2000US-0237039.  
 PR 13-OCT-2000; 2000US-0239935.  
 PR 13-OCT-2000; 2000US-0239937.  
 PR 20-OCT-2000; 2000US-0240960.  
 PR 20-OCT-2000; 2000US-0241221.  
 PR 20-OCT-2000; 2000US-0241785.  
 PR 20-OCT-2000; 2000US-0241786.  
 PR 20-OCT-2000; 2000US-0241787.  
 PR 20-OCT-2000; 2000US-0241808.  
 PR 20-OCT-2000; 2000US-0241809.  
 PR 01-NOV-2000; 2000US-0241826.  
 PR 08-NOV-2000; 2000US-0244617.  
 PR 08-NOV-2000; 2000US-0244674.  
 PR 08-NOV-2000; 2000US-0246475.  
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 PR 08-NOV-2000; 2000US-0246477.  
 PR 08-NOV-2000; 2000US-0246478.  
 PR 08-NOV-2000; 2000US-0246523.  
 PR 08-NOV-2000; 2000US-0246524.  
 PR 08-NOV-2000; 2000US-0246525.

PR 08-NOV-2000; 2000US-0246526.  
PR 08-NOV-2000; 2000US-0246527.  
PR 08-NOV-2000; 2000US-0246528.  
PR 08-NOV-2000; 2000US-0246532.  
PR 08-NOV-2000; 2000US-0246609.  
PR 08-NOV-2000; 2000US-0246610.  
PR 08-NOV-2000; 2000US-0246611.  
PR 08-NOV-2000; 2000US-0246613.  
PR 17-NOV-2000; 2000US-0249207.  
PR 17-NOV-2000; 2000US-0249208.  
PR 17-NOV-2000; 2000US-0249209.  
PR 17-NOV-2000; 2000US-0249210.  
PR 17-NOV-2000; 2000US-0249211.  
PR 17-NOV-2000; 2000US-0249212.  
PR 17-NOV-2000; 2000US-0249213.  
PR 17-NOV-2000; 2000US-0249214.  
PR 17-NOV-2000; 2000US-0249215.  
PR 17-NOV-2000; 2000US-0249216.  
PR 17-NOV-2000; 2000US-0249217.  
PR 17-NOV-2000; 2000US-0249218.  
PR 17-NOV-2000; 2000US-0249244.  
PR 17-NOV-2000; 2000US-0249245.  
PR 17-NOV-2000; 2000US-0249264.  
PR 17-NOV-2000; 2000US-0249265.  
PR 17-NOV-2000; 2000US-0249297.  
PR 17-NOV-2000; 2000US-0249299.  
PR 17-NOV-2000; 2000US-0249300.  
PR 01-DEC-2000; 2000US-0250160.  
PR 01-DEC-2000; 2000US-0250391.  
PR 05-DEC-2000; 2000US-0251030.  
PR 05-DEC-2000; 2000US-0251988.  
PR 05-DEC-2000; 2000US-0256719.  
PR 08-DEC-2000; 2000US-0251479.  
PR 08-DEC-2000; 2000US-0251856.  
PR 08-DEC-2000; 2000US-0251868.  
PR 08-DEC-2000; 2000US-0251869.  
PR 08-DEC-2000; 2000US-0251989.  
PR 11-DEC-2000; 2000US-0251990.  
PR 11-DEC-2000; 2000US-0254097.  
PR 05-JAN-2001; 2001US-0259678.  
XX XX  
PA (HUMA-) HUMAN GENOME SCI INC.

PI Rosen CA, Barash SC, Ruben SM;  
XX WFI; 2001-483426/52.

XX Nucleic acids encoding human immune/hematopoietic antigen polypeptides,  
PT useful for preventing, diagnosing and/or treating cancers and  
PT metastasis -

XX Disclosure; SEQ ID NO 25508; 3071pp + Sequence Listing; English.

XX AAK54951 to AAK64702 encode the human immune/haematopoietic antigen (I)  
CC amino acid sequences given in AAK82170 to AAK91921. (I) have cytostatic  
CC activity, and can be used in gene therapy and vaccine production. (I)  
CC proteins and polynucleotides may be used in the prevention, diagnosis and  
CC treatment of diseases associated with inappropriate (I) expression. For  
CC example, they may be used to treat disorders associated with decreased  
CC expression by rectifying mutations or deletions in a patient's genome  
CC that affect the activity of (I) by expressing inactive proteins or to  
CC supplement the patients own production of (I). Additionally, (I)  
CC polynucleotides may be used to produce the secreted (I), by inserting the  
CC nucleic acids into a host cell and culturing the cell to express the  
CC protein. (I) proteins and polynucleotides may be used to prevent,  
CC diagnose and treat immune/haematopoietic-related diseases, especially  
CC cancers and cancer metastases of haematopoietic-derived cells. AAK64703  
CC to AAK87694 represent human immune/haematopoietic antigen genomic  
CC sequences from the present invention. AAK54942 to AAK54950 and AAK82169  
CC represent sequences used in the exemplification of the present invention.  
XX Sequence 715 BP; 209 A; 161 C; 179 G; 166 T; 0 other;

Query Match 73.6%; Score 20.6; DB 22; Length 715;  
Best Local Similarity 85.2%; Pred. No. 54;  
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;  
QY 1 GGGGCTGCAGGTCAAGATGGCGGAAC 27  
DB 171 GCGGCTGCTGCTCCAGATGGAGGAAC 145  
RESULT 15  
AAK70697/C  
ID AAK70697 standard; DNA; 715 BP.  
XX  
AC AAK70697;  
XX  
DT 06-NOV-2001 (first entry)  
XX Human immune/haematopoietic antigen genomic sequence SEQ ID NO:25509.  
DE Human; immune; haematopoietic; immune/haematopoietic antigen; cancer;  
XX cytostatic; gene therapy; vaccine; metastasis; ds.  
KW Homo sapiens.  
OS  
XX  
PN WO200157182-A2.  
XX  
PD 09-AUG-2001.  
XX  
PF 17-JAN-2001; 2001WO-US01354.  
XX  
PR 31-JAN-2000; 2000US-0179065.  
PR 04-FEB-2000; 2000US-0180628.  
PR 24-FEB-2000; 2000US-0184664.  
PR 02-MAR-2000; 2000US-0186350.  
PR 16-MAR-2000; 2000US-0189874.  
PR 17-MAR-2000; 2000US-0190076.  
PR 18-APR-2000; 2000US-0198123.  
PR 19-MAY-2000; 2000US-0205515.  
PR 07-JUN-2000; 2000US-0209467.  
PR 28-JUN-2000; 2000US-0214886.  
PR 30-JUN-2000; 2000US-0215135.  
PR 07-JUL-2000; 2000US-0216647.  
PR 07-JUL-2000; 2000US-0216880.  
PR 11-JUL-2000; 2000US-0217487.  
PR 11-JUL-2000; 2000US-0217496.  
PR 14-JUL-2000; 2000US-0218290.  
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PR 14-AUG-2000; 2000US-0225759.  
PR 18-AUG-2000; 2000US-0226279.  
PR 22-AUG-2000; 2000US-0226681.  
PR 22-AUG-2000; 2000US-0226868.  
PR 22-AUG-2000; 2000US-0227182.  
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PR 30-AUG-2000; 2000US-0228524.  
PR 01-SEP-2000; 2000US-0229287.  
PR 01-SEP-2000; 2000US-0229343.  
PR 01-SEP-2000; 2000US-0229344.  
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PR 03-SEP-2000; 2000US-0229509.  
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PR 06-SEP-2000; 2000US-0230437.

PR 06-SEP-2000; 2000US-0230438.  
PR 08-SEP-2000; 2000US-0231242.  
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PR 08-SEP-2000; 2000US-0232081.  
PR 12-SEP-2000; 2000US-0231968.  
PR 14-SEP-2000; 2000US-0232397.  
PR 14-SEP-2000; 2000US-0232398.  
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PR 14-SEP-2000; 2000US-0233063.  
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PR 21-SEP-2000; 2000US-0234223.  
PR 21-SEP-2000; 2000US-0234224.  
PR 25-SEP-2000; 2000US-0234997.  
PR 25-SEP-2000; 2000US-0234998.  
PR 26-SEP-2000; 2000US-0234984.  
PR 27-SEP-2000; 2000US-0235834.  
PR 27-SEP-2000; 2000US-0235836.  
PR 28-SEP-2000; 2000US-0236327.  
PR 28-SEP-2000; 2000US-0236367.  
PR 28-SEP-2000; 2000US-0236368.  
PR 29-SEP-2000; 2000US-0236369.  
PR 29-SEP-2000; 2000US-0236370.  
PR 02-OCT-2000; 2000US-0236802.  
PR 02-OCT-2000; 2000US-0237037.  
PR 02-OCT-2000; 2000US-0237038.  
PR 02-OCT-2000; 2000US-0237039.  
PR 02-OCT-2000; 2000US-0237040.  
PR 13-OCT-2000; 2000US-0239935.  
PR 13-OCT-2000; 2000US-0239937.  
PR 20-OCT-2000; 2000US-0240960.  
PR 20-OCT-2000; 2000US-0241221.  
PR 20-OCT-2000; 2000US-0241225.  
PR 20-OCT-2000; 2000US-0241785.  
PR 20-OCT-2000; 2000US-0241786.  
PR 20-OCT-2000; 2000US-0241787.  
PR 20-OCT-2000; 2000US-0241808.  
PR 20-OCT-2000; 2000US-0241809.  
PR 20-OCT-2000; 2000US-0241826.  
PR 01-NOV-2000; 2000US-0244617.  
PR 08-NOV-2000; 2000US-0246474.  
PR 08-NOV-2000; 2000US-0246475.  
PR 08-NOV-2000; 2000US-0246476.  
PR 08-NOV-2000; 2000US-0246477.  
PR 08-NOV-2000; 2000US-0246478.  
PR 08-NOV-2000; 2000US-0246523.  
PR 08-NOV-2000; 2000US-0246524.  
PR 08-NOV-2000; 2000US-0246525.  
PR 08-NOV-2000; 2000US-0246526.  
PR 08-NOV-2000; 2000US-0246527.  
PR 08-NOV-2000; 2000US-0246528.  
PR 08-NOV-2000; 2000US-0246532.  
PR 08-NOV-2000; 2000US-0246609.  
PR 08-NOV-2000; 2000US-0246610.  
PR 08-NOV-2000; 2000US-0246611.  
PR 08-NOV-2000; 2000US-0246613.  
PR 17-NOV-2000; 2000US-0249207.  
PR 17-NOV-2000; 2000US-0249208.  
PR 17-NOV-2000; 2000US-0249209.  
PR 17-NOV-2000; 2000US-0249210.  
PR 17-NOV-2000; 2000US-0249211.  
PR 17-NOV-2000; 2000US-0249212.  
PR 17-NOV-2000; 2000US-0249213.  
PR 17-NOV-2000; 2000US-0249214.  
PR 17-NOV-2000; 2000US-0249215.  
PR 17-NOV-2000; 2000US-0249216.  
PR 17-NOV-2000; 2000US-0249217.  
PR 17-NOV-2000; 2000US-0249218.

PR 17-NOV-2000; 2000US-0249244.  
PR 17-NOV-2000; 2000US-0249245.  
PR 17-NOV-2000; 2000US-0249264.  
PR 17-NOV-2000; 2000US-0249265.  
PR 17-NOV-2000; 2000US-0249297.  
PR 17-NOV-2000; 2000US-0249299.  
PR 17-NOV-2000; 2000US-0249300.  
PR 01-DEC-2000; 2000US-0250160.  
PR 01-DEC-2000; 2000US-0250391.  
PR 05-DEC-2000; 2000US-0251030.  
PR 05-DEC-2000; 2000US-0251988.  
PR 05-DEC-2000; 2000US-0256719.  
PR 06-DEC-2000; 2000US-0251479.  
PR 08-DEC-2000; 2000US-0251856.  
PR 08-DEC-2000; 2000US-0251868.  
PR 08-DEC-2000; 2000US-0251869.  
PR 08-DEC-2000; 2000US-0251989.  
PR 08-DEC-2000; 2000US-0251990.  
PR 11-DEC-2000; 2000US-0254097.  
PR 05-JAN-2001; 2001US-0259678.  
XX  
(HUMA-) HUMAN GENOME SCI INC.  
PA Rosen CA, Barash SC, Ruben SM;  
PI  
XX  
XX  
DR WPI; 2001-483426/52.  
XX  
XX  
PT Nucleic acids encoding human immune/hematopoietic antigen polypeptides,  
PT useful for preventing, diagnosing and/or treating cancers and  
PT metastasis -  
XX  
PS Disclosure; SEQ ID NO 25509; 3071pp + Sequence Listing; English.  
XX  
XX AAK54951 to AAK64702 encode the human immune/hematopoietic antigen (I)  
CC amino acid sequences given in AAK62170 to AAK91921. (I) have cytostatic  
CC activity, and can be used in gene therapy and vaccine production. (I)  
CC proteins and polynucleotides may be used in the prevention, diagnosis and  
CC treatment of diseases associated with inappropriate (I) expression. For  
CC example, they may be used to treat disorders associated with decreased  
CC expression by rectifying mutations or deletions in a patient's genome  
CC that affect the activity of (I) by expressing inactive proteins or to  
CC supplement the patients own production of (I). Additionally, (I)  
CC polynucleotides may be used to produce the secreted (I), by inserting  
CC the nucleic acids into a host cell and culturing the cell to express the  
CC protein. (I) proteins and polynucleotides may be used to prevent,  
CC diagnose and treat immune/hematopoietic-related diseases, especially  
CC cancers and cancer metastases of hematopoietic-derived cells. AAK64703  
CC to AAK7694 represent human immune/hematopoietic antigen genomic  
CC sequences from the present invention. AAK54942 to AAK54950 and AAK82169  
CC represent sequences used in the exemplification of the present invention.  
XX  
SQ Sequence 715 BP; 209 A; 161 C; 179 G; 166 T; 0 other;

Query Match 73.6%; Score 20.6; DB 22; Length 715;  
Best Local Similarity 85.2%; Pred. No. 54;  
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GGGGCTGCAGGTCAAGATGCGGGAAC 27

Db 171 GCGGCTGCTGGTCCAGATGGAGGAAC 145

Search completed: August 28, 2003, 13:38:43  
Job time : 161.543 secs

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GenCore version 5.1.6  
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OM-nucleic - nucleic search, using sw model

Run on: August 28, 2003, 14:17:06 ; Search time 115.349 Seconds  
(without alignments)  
636.470 Million cell updates/sec

Title: US-10-054-444-1

Perfect score: 32

Sequence: 1 aggactcgagtgaatttgcgcagcgtgaag 32

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 1533700 seqs, 1147125425 residues

Total number of hits satisfying chosen parameters: 3067400

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:

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- 2: /cgn2\_6/ptodata/1/pubpna/PCT\_NEW\_PUB.seq.\*
- 3: /cgn2\_6/ptodata/1/pubpna/US06\_NEW\_PUB.seq.\*
- 4: /cgn2\_6/ptodata/1/pubpna/US06\_PUBCOMB.seq.\*
- 5: /cgn2\_6/ptodata/1/pubpna/US07\_NEW\_PUB.seq.\*
- 6: /cgn2\_6/ptodata/1/pubpna/US07\_PUBCOMB.seq.\*
- 7: /cgn2\_6/ptodata/1/pubpna/US08\_NEW\_PUB.seq.\*
- 8: /cgn2\_6/ptodata/1/pubpna/US08\_PUBCOMB.seq.\*
- 9: /cgn2\_6/ptodata/1/pubpna/US09\_PUBCOMB.seq.\*
- 10: /cgn2\_6/ptodata/1/pubpna/US09B\_PUBCOMB.seq.\*
- 11: /cgn2\_6/ptodata/1/pubpna/US09C\_PUBCOMB.seq.\*
- 12: /cgn2\_6/ptodata/1/pubpna/US09\_NEW\_PUB.seq.\*
- 13: /cgn2\_6/ptodata/1/pubpna/US10A\_PUBCOMB.seq.\*
- 14: /cgn2\_6/ptodata/1/pubpna/US10B\_PUBCOMB.seq.\*
- 15: /cgn2\_6/ptodata/1/pubpna/US10\_NEW\_PUB.seq.\*
- 16: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq.\*
- 17: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	32	100.0	32	13	US-10-054-444-1
2	23	71.9	422	8	US-08-464-363-1
3	23	71.9	428	8	US-08-464-363-3
C 4	18.8	58.8	674	13	US-10-027-632-136388
5	18.8	58.8	215980	11	US-09-972-546-16
C 6	18.4	57.5	3513	14	US-10-175-523-5
C 7	18.4	57.5	3513	14	US-10-175-523-102
8	18.2	56.9	415	10	US-09-796-692-7812
9	18.2	56.9	415	14	US-10-040-862-7812
10	18.2	56.9	510	10	US-09-796-692-8248
11	18.2	56.9	510	14	US-10-040-862-8248
C 12	18.2	56.9	514	10	US-09-796-692-8185
C 13	18.2	56.9	514	14	US-10-040-862-8185
C 14	18.2	56.9	1557	12	US-10-238-075-324
15	18.2	56.9	2120	11	US-09-809-391-160
C 16	18.2	56.9	7646	12	US-10-238-075-315

c 17	18	56.2	565	13	US-10-027-632-266881	Sequence 266881,
c 18	18	56.2	630	10	US-09-995-598-41	Sequence 41, Appl
c 19	18	56.2	821	13	US-10-001-876-42	Sequence 42, Appl
20	18	56.2	174566	14	US-10-020-141-1	Sequence 1, Appli
21	17.8	55.6	375	11	US-09-918-995-24323	Sequence 24323, A
c 22	17.8	55.6	451	10	US-09-833-381-1371	Sequence 1371, Ap
c 23	17.8	55.6	572	14	US-10-007-280A-64	Sequence 64, Appl
c 24	17.8	55.6	1941	9	US-09-815-242-6214	Sequence 6214, Ap
c 25	17.8	55.6	715517	13	US-10-027-632-53712	Sequence 53712, A
c 26	17.6	55.0	372	10	US-09-974-300-5616	Sequence 5616, Ap
27	17.6	55.0	464	11	US-09-918-995-4853	Sequence 4853, Ap
28	17.6	55.0	467	9	US-09-864-761-394	Sequence 394, App
c 29	17.6	55.0	507	11	US-09-918-995-20246	Sequence 20246, A
c 30	17.6	55.0	618	10	US-09-796-692-334	Sequence 334, App
c 31	17.6	55.0	618	10	US-09-796-692-9373	Sequence 9373, Ap
c 32	17.6	55.0	618	14	US-10-040-862-334	Sequence 334, App
c 33	17.6	55.0	618	14	US-10-040-862-9373	Sequence 9373, Ap
34	17.6	55.0	698	13	US-10-027-632-25570	Sequence 25570, A
c 35	17.6	55.0	698	13	US-10-027-632-25571	Sequence 25571, A
c 36	17.6	55.0	715	13	US-10-027-632-39885	Sequence 39885, A
c 37	17.6	55.0	715	13	US-10-027-632-39886	Sequence 39886, A
38	17.6	55.0	845	13	US-10-027-632-172091	Sequence 172091,
39	17.6	55.0	845	13	US-10-027-632-172092	Sequence 172092,
40	17.6	55.0	851	13	US-10-027-632-7646	Sequence 7646, Ap
c 41	17.6	55.0	1122	10	US-09-738-625-461	Sequence 461, App
42	17.6	55.0	1295	13	US-10-027-632-124852	Sequence 124852,
43	17.6	55.0	2232	12	US-10-309-423-33	Sequence 33, Appl
44	17.6	55.0	2303	14	US-10-040-862-9610	Sequence 9610, Ap
45	17.6	55.0	2379	12	US-10-309-423-37	Sequence 37, Appl

#### ALIGNMENTS

RESULT 1  
US-10-054-444-1  
; Sequence 1, Application US/10054444  
; Publication No. US20020164342A1  
; GENERAL INFORMATION:

; APPLICANT: Guvre, Paul M.  
; APPLICANT: Goldstein, Joel  
; APPLICANT: Wu, Zining

; APPLICANT: Sun, Wanwen

; TITLE OF INVENTION: Recombinant Cat Allergen, Fel d1, Expressed in  
; Baculovirus for Diagnosis and Treatment of Cat Allergy

; FILE REFERENCE: DC-0118

; CURRENT APPLICATION NUMBER: US/10/054,444

; CURRENT FILING DATE: 2002-01-22

; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/410,963

; PRIOR FILING DATE: EARLIER FILING DATE: 1999-10-05

; NUMBER OF SEQ ID NOS: 6

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 1

; LENGTH: 32

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence:Synthetic

US-10-054-444-1

Query Match 100.0%; Score 32; DB 13; Length 32;  
Best Local Similarity 100.0%; Pred. No. 1.3e-05;  
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGGACTCGAGTGAATTTGCCAGCGCGTGAAG 32

Db 1 AGGACTCGAGTGAATTTGCCAGCGCGTGAAG 32

RESULT 2

US-08-464-363-1

; Sequence 1, Application US/08464363

; Publication No. US20030035815A1

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;
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce L.
; APPLICANT: Morgenstern, Jay
; APPLICANT: Bond, Julian F.
; APPLICANT: Garman, Richard D.
; APPLICANT: Greenstein, Julia L.
; APPLICANT: Kuo, Mei-chang
; APPLICANT: Morville, Malcolm
; TITLE OF INVENTION: RECOMBITOPE PEPTIDES
; NUMBER OF SEQUENCES: 76
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lahive & Cockfield
; STREET: 60 State Street, Suite 510
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII TEXT
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US 08/464,363
; FILING DATE: 05-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/807,529
; FILING DATE: 13-DEC-1991
; APPLICATION NUMBER: US 07/662,276
; FILING DATE: 28-FEB-1991
; APPLICATION NUMBER: US 07/431,565
; FILING DATE: 03-NOV-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragouras
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: IM1-015CN
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 422 base pairs
; TYPE: nucleic acid
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; TOPOLOGY: linear
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; FEATURE:
; NAME/KEY: CDS
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Best Local Similarity 100.0%; Pred. No. 0.37;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 GTGAAATTGCCAGCCGTGAAG 32
Db 72 GTGAAATTGCCAGCCGTGAAG 94

RESULT 3
US-08-464-363-3
; Sequence 3, Application US/08464363
; Publication No. US20030035815A1
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce L.
; APPLICANT: Morgenstern, Jay
; APPLICANT: Bond, Julian F.
; APPLICANT: Garman, Richard D.
; APPLICANT: Greenstein, Julia L.
; APPLICANT: Kuo, Mei-chang
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; APPLICANT: Morville, Malcolm
; TITLE OF INVENTION: RECOMBITOPE PEPTIDES
; NUMBER OF SEQUENCES: 76
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lahive & Cockfield
; STREET: 60 State Street, Suite 510
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII TEXT
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US 08/464,363
; FILING DATE: 05-JUN-1995
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; APPLICATION NUMBER: US 07/807,529
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; FILING DATE: 28-FEB-1991
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; FILING DATE: 03-NOV-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragouras
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: IM1-015CN
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; INFORMATION FOR SEQ ID NO: 3:
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; LENGTH: 428 base pairs
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; TOPOLOGY: linear
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; FEATURE:
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Best Local Similarity 100.0%; Pred. No. 0.37;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 GTGAAATTGCCAGCCGTGAAG 32
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RESULT 4
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; Sequence 136388, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 10827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
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; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 136388
; LENGTH: 674
; TYPE: DNA
; ORGANISM: Human
; US-10-027-632-136388

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Matches 23; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

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Db 393 AGGACTCTGCTCCTTAATTTGCCCGCCAGTGA 364

RESULT 5
US-09-972-546-16
; Sequence 16, Application US/09972546
; Publication No. US20030124704A1
; GENERAL INFORMATION:
; APPLICANT: STRITTMATTER, STEPHEN M.
; APPLICANT: CAE, RICHARD L.
; APPLICANT: SAH, DINAH W.Y.
; TITLE OF INVENTION: NOGO RECEPTOR HOMOLOGS
; FILE REFERENCE: A116US
; CURRENT APPLICATION NUMBER: US/09/972,546
; CURRENT FILING DATE: 2001-10-06
; PRIOR APPLICATION NUMBER: 60/238,361
; PRIOR FILING DATE: 2000-10-06
; NUMBER OF SEQ ID NOS: 19
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; SEQ ID NO 16
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NAME/KEY: modified_base	
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NAME/KEY: modified_base	
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NAME/KEY: modified_base	
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LOCATION: (164708)	
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LOCATION: (164710) ..(164809)	
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NAME/KEY: modified_base	
LOCATION: (182242) ..(182341)	
OTHER INFORMATION: a, t, c, g, other or unknown	
NAME/KEY: modified_base	
LOCATION: (192158)	
OTHER INFORMATION: a, t, c, g, other or unknown	
NAME/KEY: modified_base	

```

; LOCATION: (192192)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (198842)..(198941)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base

Query Match      58.8%; Score 18.8; DB 11; Length 215980;
Best Local Similarity 76.7%; Pred. No. 87;
Matches 23; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy      1 AGGACTCGAGTGAATTTGCCACGCCGTGA 30
      ||||| | | | | | | | | | | | | | | | |
Db      166675 AGGACTCGACTACATTTTGCCTGCTGA 166704

RESULT 6
US-10-175-523-5/c
; Sequence 5, Application US/10175523
; Publication No. US20030096264A1
; GENERAL INFORMATION:
; APPLICANT: Brockman, Jeffrey
; APPLICANT: Evans, David
; APPLICANT: Hook, Derek
; APPLICANT: Klimczak, Leszek
; APPLICANT: Laeng, Pascal
; APPLICANT: Palfreyman, Michael
; APPLICANT: Rajan, Prithi
; TITLE OF INVENTION: MULTI-PARAMETER HIGH THROUGHPUT SCREENING ASSAYS (MPHTS)
; FILE REFERENCE: 3235/1J795-US3
; CURRENT APPLICATION NUMBER: US/10/175,523
; CURRENT FILING DATE: 2002-06-18
; PRIOR APPLICATION NUMBER: US 60/299,151
; PRIOR FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: US 60/317,828
; PRIOR FILING DATE: 2001-09-07
; PRIOR APPLICATION NUMBER: US 60/325,150
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/333,047
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: US 60/349,936
; PRIOR FILING DATE: 2002-01-18
; PRIOR APPLICATION NUMBER: US 60/361,834
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 197
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 3513
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-175-523-5

Query Match      57.5%; Score 18.4; DB 14; Length 3513;
Best Local Similarity 78.6%; Pred. No. 78;
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy      4 ACTCGAGTGAATTTGCCACGCCGTGA 31
      ||||| | | | | | | | | | | | | | | | |
Db      1136 ACTCCATGCATGTGCACAGCGGTGA 1109

RESULT 7
US-10-175-523-102/c
; Sequence 102, Application US/10175523
; Publication No. US20030096264A1
; GENERAL INFORMATION:
; APPLICANT: Brockman, Jeffrey
; APPLICANT: Evans, David
; APPLICANT: Hook, Derek
; APPLICANT: Klimczak, Leszek
; APPLICANT: Laeng, Pascal
; APPLICANT: Palfreyman, Michael
; APPLICANT: Rajan, Prithi

```



; TITLE OF INVENTION: MULTI-PARAMETER HIGH THROUGHPUT SCREENING ASSAYS (MPHTS)

; FILE REFERENCE: 3235/1J795-US3

; CURRENT APPLICATION NUMBER: US/10/175,523

; CURRENT FILING DATE: 2002-06-18

; PRIOR APPLICATION NUMBER: US 60/299,151

; PRIOR FILING DATE: 2001-06-18

; PRIOR APPLICATION NUMBER: US 60/317,828

; PRIOR FILING DATE: 2001-09-07

; PRIOR APPLICATION NUMBER: US 60/325,150

; PRIOR FILING DATE: 2001-09-25

; PRIOR APPLICATION NUMBER: US 60/333,047

; PRIOR FILING DATE: 2001-11-14

; PRIOR APPLICATION NUMBER: US 60/349,936

; PRIOR FILING DATE: 2002-01-18

; PRIOR APPLICATION NUMBER: US 60/361,834

; PRIOR FILING DATE: 2002-03-04

; NUMBER OF SEQ ID NOS: 197

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 102

; LENGTH: 3513

; TYPE: DNA

; ORGANISM: Rattus norvegicus

; US-10-175-523-102

Query Match 57.5%; Score 18.4; DB 14; Length 3513;

Best Local Similarity 78.6%; Pred. No. 78;

Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 4 ACTCGAGTGAATTTGCCAGCGGTGAA 31

||||| ||||| ||||| ||||| |||||

Db 1136 ACTCCAATGCAATGTGCACAGCGGTGAA 1109

||||| ||||| ||||| ||||| |||||

RESULT 8

US-09-796-692-7812

; Sequence 7812, Application US/09796692

; Publication No. US20020198362A1

; GENERAL INFORMATION:

; APPLICANT: Gaiger, Alexander

; APPLICANT: Algate, Paul A.

; APPLICANT: Mannion, Jane

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THERAPY

; FILE REFERENCE: 2077.001200

; CURRENT APPLICATION NUMBER: US/09/796,692

; CURRENT FILING DATE: 2001-03-01

; PRIOR APPLICATION NUMBER: 60/186,126

; PRIOR FILING DATE: 2000-03-01

; PRIOR APPLICATION NUMBER: 60/190,479

; PRIOR FILING DATE: 2000-03-17

; PRIOR APPLICATION NUMBER: 60/200,545

; PRIOR FILING DATE: 2000-04-27

; PRIOR APPLICATION NUMBER: 60/200,303

; PRIOR FILING DATE: 2000-04-28

; PRIOR APPLICATION NUMBER: 60/200,779

; PRIOR FILING DATE: 2000-04-28

; PRIOR APPLICATION NUMBER: 60/200,999

; PRIOR FILING DATE: 2000-05-01

; PRIOR APPLICATION NUMBER: 60/202,084

; PRIOR FILING DATE: 2000-05-04

; PRIOR APPLICATION NUMBER: 60/206,201

; PRIOR FILING DATE: 2000-05-22

; PRIOR APPLICATION NUMBER: 60/218,950

; PRIOR FILING DATE: 2000-07-14

; PRIOR APPLICATION NUMBER: 60/222,903

; PRIOR FILING DATE: 2000-08-03

; PRIOR APPLICATION NUMBER: 60/223,416

; PRIOR FILING DATE: 2000-08-04

; PRIOR APPLICATION NUMBER: 60/223,378

; PRIOR FILING DATE: 2000-08-07

; NUMBER OF SEQ ID NOS: 9597

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 7812

; LENGTH: 415

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (10)

; OTHER INFORMATION: n=A,T,C or G

; FEATURE:

; SEQ ID NO 7812

; LENGTH: 415

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (10)

; OTHER INFORMATION: n=A,T,C or G

; FEATURE:

; SEQ ID NO 7812

; LENGTH: 415

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (10)

; OTHER INFORMATION: n=A,T,C or G

; FEATURE:

; SEQ ID NO 7812

; LENGTH: 415

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (10)

; OTHER INFORMATION: n=A,T,C or G

; FEATURE:

; SEQ ID NO 7812

; LENGTH: 415

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (10)

; OTHER INFORMATION: n=A,T,C or G

; FEATURE:

; SEQ ID NO 7812

; LENGTH: 415

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (10)

; OTHER INFORMATION: n=A,T,C or G

; FEATURE:

; SEQ ID NO 7812

; LENGTH: 415

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (10)

; OTHER INFORMATION: n=A,T,C or G

; FEATURE:

; SEQ ID NO 7812

; LENGTH: 415

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (10)

; OTHER INFORMATION: n=A,T,C or G

; FEATURE:

; SEQ ID NO 7812

; LENGTH: 415

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (10)

; OTHER INFORMATION: n=A,T,C or G

; FEATURE:

; SEQ ID NO 7812

; LENGTH: 415

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (10)

; OTHER INFORMATION: n=A,T,C or G

; FEATURE:

; SEQ ID NO 7812

; LENGTH: 415

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (10)

; OTHER INFORMATION: n=A,T,C or G

; FEATURE:

; SEQ ID NO 7812

; LENGTH: 415

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (10)

; OTHER INFORMATION: n=A,T,C or G

; FEATURE:

; SEQ ID NO 7812

; LENGTH: 415

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (10)

; OTHER INFORMATION: n=A,T,C or G

; FEATURE:

; SEQ ID NO 7812

; LENGTH: 415

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (10)

; OTHER INFORMATION: n=A,T,C or G

; FEATURE:

; SEQ ID NO 7812

; LENGTH: 415

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (10)

; OTHER INFORMATION: n=A,T,C or G

; FEATURE:

; SEQ ID NO 7812

; LENGTH: 415

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (10)

; OTHER INFORMATION: n=A,T,C or G

; FEATURE:

; SEQ ID NO 7812

; LENGTH: 415

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (10)

; OTHER INFORMATION: n=A,T,C or G

; FEATURE:

; SEQ ID NO 7812

; LENGTH: 415

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (10)

; OTHER INFORMATION: n=A,T,C or G

; FEATURE:

; SEQ ID NO 7812

; LENGTH: 415

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (10)

; OTHER INFORMATION: n=A,T,C or G

; FEATURE:

; SEQ ID NO 7812

; LENGTH: 415

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (10)

; OTHER INFORMATION: n=A,T,C or G

; FEATURE:

; SEQ ID NO 7812

; LENGTH: 415

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (10)

; OTHER INFORMATION: n=A,T,C or G

; FEATURE:

; SEQ ID NO 7812

; LENGTH: 415

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (10)

; OTHER INFORMATION: n=A,T,C or G

; FEATURE:

; SEQ ID NO 7812

; LENGTH: 415

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (10)

; OTHER INFORMATION: n=A,T,C or G

; FEATURE:

; SEQ ID NO 7812

; LENGTH: 415

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (10)

; OTHER INFORMATION: n=A,T,C or G

; FEATURE:

; SEQ ID NO 7812

; LENGTH: 415

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (10)

; OTHER INFORMATION: n=A,T,C or G

; FEATURE:

; SEQ ID NO 7812

; LENGTH: 415

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: unsure

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; NAME/KEY: unsure
; LOCATION: (409)
; OTHER INFORMATION: n=A,T,C or G
US-10-040-862-7812

Query Match          56.9%; Score 18.2; DB 14; Length 415;
Best Local Similarity 87.0%; Pred. No. 74;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 GGACTCGAGTGAATTTGCCCGAG 24
Db 41 GGAATCGAATGAGATTGGCCCGAG 63

RESULT 10
US-09-796-692-8248
; Sequence 8248, Application US/09796692
; Publication No. US20020198362A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THERAPY
; FILE OF INVENTION: HEMATOLOGICAL MALIGNANCIES
; FILE REFERENCE: 2077.001200
; CURRENT APPLICATION NUMBER: US/09/796.692
; CURRENT FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: 60/223,378
; PRIOR FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: 60/223,378
; PRIOR FILING DATE: 2000-08-07
; NUMBER OF SEQ ID NOS: 9597
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8248
; LENGTH: 510
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (32)
; OTHER INFORMATION: n=A,T,C or G
; NAME/KEY: unsure
; LOCATION: (77)
; OTHER INFORMATION: n=A,T,C or G
; NAME/KEY: unsure
; LOCATION: (101)
; OTHER INFORMATION: n=A,T,C or G
; NAME/KEY: unsure
; LOCATION: (115)
; OTHER INFORMATION: n=A,T,C or G
; NAME/KEY: unsure
; LOCATION: (186)
; OTHER INFORMATION: n=A,T,C or G
```

```
; NAME/KEY: unsure
; LOCATION: (239)
; OTHER INFORMATION: n=A,T,C or G
; NAME/KEY: unsure
; LOCATION: (250)
; OTHER INFORMATION: n=A,T,C or G
; NAME/KEY: unsure
; LOCATION: (291)
; OTHER INFORMATION: n=A,T,C or G
; NAME/KEY: unsure
; LOCATION: (426)
; OTHER INFORMATION: n=A,T,C or G
; NAME/KEY: unsure
; LOCATION: (465)
; OTHER INFORMATION: n=A,T,C or G
; NAME/KEY: unsure
; LOCATION: (483)
; OTHER INFORMATION: n=A,T,C or G
US-09-796-692-8248

Query Match          56.9%; Score 18.2; DB 10; Length 510;
Best Local Similarity 87.0%; Pred. No. 76;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 GGACTCGAGTGAATTTGCCCGAG 24
Db 41 GGAATCGAATGAGATTGGCCCGAG 63

RESULT 11
US-10-040-862-8248
; Sequence 8248, Application US/10040862
; Publication No. US20030078396A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Retter, Marc
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy
; FILE OF INVENTION: Hematological Malignancies
; FILE REFERENCE: 014058-013520US
; CURRENT APPLICATION NUMBER: US/10/040,862
; CURRENT FILING DATE: 2001-11-06
; PRIOR APPLICATION NUMBER: US 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: US 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: US 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: US 60/223,378
; PRIOR FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: US 09/796,692
; PRIOR FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 10467
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8248
```

```

; LENGTH: 510
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (32)
; OTHER INFORMATION: n=A,T,C or G
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (77)
; OTHER INFORMATION: n=A,T,C or G
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (101)
; OTHER INFORMATION: n=A,T,C or G
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (115)
; OTHER INFORMATION: n=A,T,C or G
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (186)
; OTHER INFORMATION: n=A,T,C or G
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (239)
; OTHER INFORMATION: n=A,T,C or G
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (250)
; OTHER INFORMATION: n=A,T,C or G
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (291)
; OTHER INFORMATION: n=A,T,C or G
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (426)
; OTHER INFORMATION: n=A,T,C or G
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (465)
; OTHER INFORMATION: n=A,T,C or G
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (483)
; OTHER INFORMATION: n=A,T,C or G
; OTHER INFORMATION: n=A,T,C or G
US-10-040-862-8248

```

```

Query Match          56.9%; Score 18.2; DB 14; Length 510;
Best Local Similarity 87.0%; Pred. No. 76;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```

```

Qy      2 GGACTCGAGTGAATTTGCCCG 24
Db      41 GGAATCGAATGAGATTGCCCG 63

```

```

RESULT 12
US-09-796-692-8185/c
; Sequence 8185, Application US/09796692
; Publication No. US20020198362A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Mannion, Jane
; APPLICANT: Retter, Marc
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THERAPY
; FILE REFERENCE: 2077.001200
; CURRENT APPLICATION NUMBER: US/09/796.692
; CURRENT FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: 60/186,126
; PRIOR FILING DATE: 2000-03-01

```

```

; PRIOR APPLICATION NUMBER: 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: 60/223,378
; PRIOR FILING DATE: 2000-08-07
; NUMBER OF SEQ ID NOS: 9597
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8185
; LENGTH: 514
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (403)
; OTHER INFORMATION: n=A,T,C or G
US-09-796-692-8185

```

```

Query Match          56.9%; Score 18.2; DB 10; Length 514;
Best Local Similarity 87.0%; Pred. No. 76;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```

```

Qy      2 GGACTCGAGTGAATTTGCCCG 24
Db      474 GGAATCGAATGAGATTGCCCG 452

```

```

RESULT 13
US-10-040-862-8185/c
; Sequence 8185, Application US/10040862
; Publication No. US20030078396A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Retter, Marc
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy
; FILE REFERENCE: 014058-013520US
; CURRENT APPLICATION NUMBER: US/10/040,862
; CURRENT FILING DATE: 2001-11-06
; PRIOR APPLICATION NUMBER: US 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: US 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: US 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 60/206,201

```

; PRIOR FILING DATE: 2000-05-22  
; PRIOR APPLICATION NUMBER: US 60/218,950  
; PRIOR FILING DATE: 2000-07-14  
; PRIOR APPLICATION NUMBER: US 60/222,903  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: US 60/223,416  
; PRIOR FILING DATE: 2000-08-04  
; PRIOR APPLICATION NUMBER: US 60/223,378  
; PRIOR FILING DATE: 2000-08-07  
; PRIOR APPLICATION NUMBER: US 09/796,692  
; PRIOR FILING DATE: 2001-03-01  
; NUMBER OF SEQ ID NOS: 10467  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 8185  
; LENGTH: 514  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: unsure  
; LOCATION: (403)  
; OTHER INFORMATION: n=A,T,C or G  
US-10-040-862-8185

Query Match 56.9%; Score 18.2; DB 14; Length 514;  
Best Local Similarity 87.0%; Pred. No. 76;  
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 GGACTCGAGTGAATTTGCCCGAG 24  
||| |||| ||| |||| |||| ||||  
Db 474 GGAATCGAATGAGATTTGCCCGAG 452

## RESULT 14

US-10-238-075-324/c  
; Sequence 324, Application US/10238075  
; Publication No. US20030148324A1  
; GENERAL INFORMATION:  
; APPLICANT: I.N.S.E.R.M.  
; TITLE OF INVENTION: Polynucleotides which are of nature B2/D+ A- and which are isolated  
; FILE REFERENCE: BLANDINE  
; CURRENT APPLICATION NUMBER: US/10/238,075  
; PRIOR FILING DATE: 2002-09-10  
; PRIOR APPLICATION NUMBER: 0003145  
; PRIOR FILING DATE: 2000-03-10  
; NUMBER OF SEQ ID NOS: 1576  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 324  
; LENGTH: 1557  
; TYPE: DNA  
; ORGANISM: Escherichia coli  
US-10-238-075-324

Query Match 56.9%; Score 18.2; DB 12; Length 1557;  
Best Local Similarity 87.0%; Pred. No. 88;  
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 9 AGTGAATTTGCCCGAGCGGTGAA 31  
||||| ||||| ||||| ||||| |||||  
Db 177 AGTGATATTTCGCCAGCGCCCAA 155

## RESULT 15

US-09-809-391-160  
; Sequence 160, Application US/09809391  
; Publication No. US20030049618A1  
; GENERAL INFORMATION:  
; APPLICANT: Ruben et al.  
; TITLE OF INVENTION: 186 Human Secreted proteins  
; FILE REFERENCE: P2002P2  
; CURRENT APPLICATION NUMBER: US/09/809,391  
; CURRENT FILING DATE: 2001-03-16  
; Prior application data removed - consult PALM or file wrapper

; NUMBER OF SEQ ID NOS: 761  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 160  
; LENGTH: 2120  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SITE  
; LOCATION: (975)  
; OTHER INFORMATION: n equals a,t,g, or c  
; NAME/KEY: SITE  
; LOCATION: (1405)  
; OTHER INFORMATION: n equals a,t,g, or c  
; NAME/KEY: SITE  
; LOCATION: (2120)  
; OTHER INFORMATION: n equals a,t,g, or c  
US-09-809-391-160

Query Match 56.9%; Score 18.2; DB 11; Length 2120;  
Best Local Similarity 87.0%; Pred. No. 92;  
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 GGACTCGAGTGAATTTGCCCGAG 24  
||| |||| ||| |||| |||| ||||  
Db 600 GGAATCGAATGAGATTTGCCCGAG 622

Search completed: August 28, 2003, 19:15:13  
Job time : 117.349 secs



GENERAL INFORMATION:  
APPLICANT: Meagher, Madeleine  
APPLICANT: Xu, Jiangchun  
APPLICANT: King, Gordon E.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND  
FILE REFERENCE: 210121.504  
CURRENT APPLICATION NUMBER: US/09/815,343  
CURRENT FILING DATE: 2001-03-22  
NUMBER OF SEQ ID NOS: 1556  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 1366  
LENGTH: 211  
TYPE: DNA  
ORGANISM: Homo sapien  
US-09-815-343-1366

Query Match 73.6%; Score 20.6; DB 9; Length 211;  
Best Local Similarity 85.2%; Pred. No. 18;  
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GGGCTGCAGTCAAGATGCGGAAAC 27  
DB 78 GCGCTGCTGCTCAGATGAGGAAAC 104

RESULT 3  
US-08-464-363-5  
Sequence 5, Application US/08464363  
Publication No. US20030035815A1  
GENERAL INFORMATION:  
APPLICANT: Rogers, Bruce L.  
APPLICANT: Morgenstern, Jay  
APPLICANT: Bond, Julian F.  
APPLICANT: Garman, Richard D.  
APPLICANT: Greenstein, Julia L.  
APPLICANT: Kuo, Mei-chang  
APPLICANT: Morville, Malcolm  
TITLE OF INVENTION: RECOMBITOPE PEPTIDES  
NUMBER OF SEQUENCES: 76  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Lahive & Cockfield  
STREET: 60 State Street, Suite 510  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII TEXT  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/464,363  
FILING DATE: 05-JUN-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/807,529  
FILING DATE: 13-DEC-1991  
APPLICATION NUMBER: US 07/662,276  
FILING DATE: 28-FEB-1991  
APPLICATION NUMBER: US 07/431,565  
FILING DATE: 03-NOV-1989  
ATTORNEY/AGENT INFORMATION:  
NAME: Amy E. Mandragouras  
REGISTRATION NUMBER: 36,207  
REFERENCE/DOCKET NUMBER: IMI-015CN  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 227-7400  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 485 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single

TOPOLOGY: linear  
MOLECULE TYPE: cdna  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 8..337  
FEATURE:  
NAME/KEY: mat\_peptide  
LOCATION: 59..337  
US-08-464-363-5

Query Match 73.6%; Score 20.6; DB 8; Length 485;  
Best Local Similarity 85.2%; Pred. No. 18;  
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 GGGCTGCAGTCAAGATGCGGAAACT 28  
DB 50 GCGCTGGCGTCAAGATGCGGAAACT 76

RESULT 4  
US-10-027-632-289461  
Sequence 289461, Application US/10027632  
GENERAL INFORMATION:  
APPLICANT: Wang, David G.  
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
FILE REFERENCE: 108827.129  
CURRENT APPLICATION NUMBER: US/10/027,632  
CURRENT FILING DATE: 2002-04-30  
PRIOR APPLICATION NUMBER: US 60/218,006  
PRIOR FILING DATE: 2000-07-12  
PRIOR APPLICATION NUMBER: US 60/198,676  
PRIOR FILING DATE: 2000-04-20  
PRIOR APPLICATION NUMBER: US 60/193,483  
PRIOR FILING DATE: 2000-03-29  
PRIOR APPLICATION NUMBER: US 60/185,218  
PRIOR FILING DATE: 2000-02-24  
PRIOR APPLICATION NUMBER: US 60/167,363  
PRIOR FILING DATE: 1999-11-23  
PRIOR APPLICATION NUMBER: US 60/156,358  
PRIOR FILING DATE: 1999-09-28  
PRIOR APPLICATION NUMBER: US 60/146,002  
PRIOR FILING DATE: 1999-08-09  
NUMBER OF SEQ ID NOS: 325720  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 289461  
LENGTH: 632  
TYPE: DNA  
ORGANISM: Human  
US-10-027-632-289461

Query Match 73.6%; Score 20.6; DB 13; Length 632;  
Best Local Similarity 85.2%; Pred. No. 18;  
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 GGGCTGCAGTCAAGATGCGGAAACT 28  
DB 389 GGGCTGCAGTCAAGCTGTGGGAACT 415

RESULT 5  
US-10-027-632-289463  
Sequence 289463, Application US/10027632  
GENERAL INFORMATION:  
APPLICANT: Wang, David G.  
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
FILE REFERENCE: 108827.129  
CURRENT APPLICATION NUMBER: US/10/027,632  
CURRENT FILING DATE: 2002-04-30  
PRIOR APPLICATION NUMBER: US 60/218,006  
PRIOR FILING DATE: 2000-07-12  
PRIOR APPLICATION NUMBER: US 60/198,676

; PRIOR FILING DATE: 2000-04-20  
 ; PRIOR APPLICATION NUMBER: US 60/193,483  
 ; PRIOR FILING DATE: 2000-03-29  
 ; PRIOR APPLICATION NUMBER: US 60/185,218  
 ; PRIOR FILING DATE: 2000-02-24  
 ; PRIOR APPLICATION NUMBER: US 60/167,363  
 ; PRIOR FILING DATE: 1999-11-23  
 ; PRIOR APPLICATION NUMBER: US 60/156,358  
 ; PRIOR FILING DATE: 1999-09-28  
 ; PRIOR APPLICATION NUMBER: US 60/146,002  
 ; PRIOR FILING DATE: 1999-08-09  
 ; NUMBER OF SEQ ID NOS: 325720  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 289463  
 ; LENGTH: 632  
 ; TYPE: DNA  
 ; ORGANISM: Human  
 US-10-027-632-289463

Query Match 73.6%; Score 20.6; DB 13; Length 632;  
 Best Local Similarity 85.2%; Pred. No. 18;  
 Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 GGGCTGCAGGTCAAGATGCGGGAAC 28  
 |||||  
 Db 389 GGGCTGCAGGTCAAGCTGTGGGACACT 415

RESULT 6  
 US-10-027-632-289462  
 ; Sequence 289462, Application US/10027632  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Wang, David G.  
 ; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
 ; FILE REFERENCE: 108927.129  
 ; CURRENT APPLICATION NUMBER: US/10/027,632  
 ; CURRENT FILING DATE: 2002-04-30  
 ; PRIOR APPLICATION NUMBER: US 60/218,006  
 ; PRIOR FILING DATE: 2000-07-12  
 ; PRIOR APPLICATION NUMBER: US 60/198,676  
 ; PRIOR FILING DATE: 2000-04-20  
 ; PRIOR APPLICATION NUMBER: US 60/193,483  
 ; PRIOR FILING DATE: 2000-03-29  
 ; PRIOR APPLICATION NUMBER: US 60/185,218  
 ; PRIOR FILING DATE: 2000-02-24  
 ; PRIOR APPLICATION NUMBER: US 60/167,363  
 ; PRIOR FILING DATE: 1999-11-23  
 ; PRIOR APPLICATION NUMBER: US 60/156,358  
 ; PRIOR FILING DATE: 1999-09-28  
 ; PRIOR APPLICATION NUMBER: US 60/146,002  
 ; NUMBER OF SEQ ID NOS: 325720  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 289462  
 ; LENGTH: 635  
 ; TYPE: DNA  
 ; ORGANISM: Human  
 US-10-027-632-289462

Query Match 73.6%; Score 20.6; DB 13; Length 635;  
 Best Local Similarity 85.2%; Pred. No. 18;  
 Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 GGGCTGCAGGTCAAGATGCGGGAAC 28  
 |||||  
 Db 389 GGGCTGCAGGTCAAGCTGTGGGACACT 415

RESULT 7  
 US-09-925-299-40  
 ; Sequence 40, Application US/09925299  
 ; Patent No. US20020055627A1

; GENERAL INFORMATION:  
 ; APPLICANT: Rosen et al.  
 ; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
 ; FILE REFERENCE: PA102  
 ; CURRENT APPLICATION NUMBER: US/09/925,299  
 ; CURRENT FILING DATE: 2001-08-10  
 ; PRIOR APPLICATION NUMBER: PCT/US00/05883  
 ; PRIOR FILING DATE: 2000-03-08  
 ; PRIOR APPLICATION NUMBER: 60/124,270  
 ; PRIOR FILING DATE: 1999-03-12  
 ; NUMBER OF SEQ ID NOS: 1556  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 40  
 ; LENGTH: 1945  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-925-299-40

Query Match 73.6%; Score 20.6; DB 9; Length 1945;  
 Best Local Similarity 85.2%; Pred. No. 18;  
 Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GGGCTGCAGGTCAAGATGCGGGAAC 27  
 |||||  
 Db 1744 GCGCTGCTGCTCCAGATGGAGGAAC 1770

RESULT 8  
 US-09-925-299-40  
 ; Sequence 40, Application US/09925299  
 ; Publication No. US20030040617A9  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Rosen et al.  
 ; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
 ; FILE REFERENCE: PA102  
 ; CURRENT APPLICATION NUMBER: US/09/925,299  
 ; CURRENT FILING DATE: 2001-08-10  
 ; PRIOR APPLICATION NUMBER: PCT/US00/05883  
 ; PRIOR FILING DATE: 2000-03-08  
 ; PRIOR APPLICATION NUMBER: 60/124,270  
 ; PRIOR FILING DATE: 1999-03-12  
 ; NUMBER OF SEQ ID NOS: 1556  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 40  
 ; LENGTH: 1945  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-925-299-40

Query Match 73.6%; Score 20.6; DB 11; Length 1945;  
 Best Local Similarity 85.2%; Pred. No. 18;  
 Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GGGCTGCAGGTCAAGATGCGGGAAC 27  
 |||||  
 Db 1744 GCGCTGCTGCTCCAGATGGAGGAAC 1770

RESULT 9  
 US-09-815-242-7715  
 ; Sequence 7715, Application US/09815242  
 ; Patent No. US20020061569A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Haselbeck, Robert  
 ; APPLICANT: Chisen, Kari L.  
 ; APPLICANT: Zyskind, Judith W.  
 ; APPLICANT: Wall, Daniel  
 ; APPLICANT: Trawick, John D.  
 ; APPLICANT: Carr, Grant J.  
 ; APPLICANT: Yamamoto, Robert T.  
 ; APPLICANT: Xu, H. Howard  
 ; TITLE OF INVENTION: Identification of Essential Genes in  
 ; Prokaryotes

FILE REFERENCE: ELITRA.011A  
; CURRENT APPLICATION NUMBER: US/09/815,242  
; CURRENT FILING DATE: 2001-03-21  
; PRIOR APPLICATION NUMBER: 60/191,078  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: 60/206,848  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 60/207,727  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: 60/242,578  
; PRIOR FILING DATE: 2000-10-23  
; PRIOR APPLICATION NUMBER: 60/253,625  
; PRIOR FILING DATE: 2000-11-27  
; PRIOR APPLICATION NUMBER: 60/257,931  
; PRIOR FILING DATE: 2000-12-22  
; PRIOR APPLICATION NUMBER: 60/269,308  
; PRIOR FILING DATE: 2001-02-16  
; NUMBER OF SEQ ID NOS: 14110  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 7715  
; LENGTH: 705  
; TYPE: DNA  
; ORGANISM: Pseudomonas aeruginosa  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)...(705)  
US-09-815-242-7715

Query Match 68.6%; Score 19.2; DB 9; Length 705;  
Best Local Similarity 87.5%; Pred. No. 72;  
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GGGCTCAGGTCAAGATGCGGA 24  
DB 426 GGAGCTCAGGTCAAGTGGCGA 449

RESULT 10  
US-10-027-632-19850/c  
; Sequence 19850, Application US/10027632  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; POLYMORPHISMS in the Human Genome  
; FILE REFERENCE: 18827,129  
; CURRENT APPLICATION NUMBER: US/10/027,632  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/218,006  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/198,676  
; PRIOR FILING DATE: 2000-04-20  
; PRIOR APPLICATION NUMBER: US 60/193,483  
; PRIOR FILING DATE: 2000-03-29  
; PRIOR APPLICATION NUMBER: US 60/185,218  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/167,363  
; PRIOR FILING DATE: 1999-11-23  
; PRIOR APPLICATION NUMBER: US 60/156,358  
; PRIOR FILING DATE: 1999-09-28  
; PRIOR APPLICATION NUMBER: US 60/146,002  
; PRIOR FILING DATE: 1999-08-09  
; NUMBER OF SEQ ID NOS: 325720  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 19850  
; LENGTH: 701  
; TYPE: DNA  
; ORGANISM: Human  
US-10-027-632-19850

Query Match 66.4%; Score 18.6; DB 13; Length 701;  
Best Local Similarity 84.0%; Pred. No. 1.3e+02;  
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GGGGCTGCAGGTCAAGATGCGGAA 25  
DB 372 GGGGCTGCAGGTCTAGGTGGAAGAA 348

RESULT 11  
US-10-216-163-53  
; Sequence 53, Application US/10216163  
; Publication No. US20030149239A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3530PIC3  
; CURRENT APPLICATION NUMBER: US/10/216,163  
; CURRENT FILING DATE: 2002-08-09  
; PRIOR APPLICATION NUMBER: 10/119,480  
; PRIOR FILING DATE: 2002-04-09  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/062287  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063549  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/064103  
; PRIOR FILING DATE: 1997-10-31  
; PRIOR APPLICATION NUMBER: 60/069873  
; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079294  
; PRIOR FILING DATE: 1998-03-25  
; PRIOR APPLICATION NUMBER: 60/079656  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: 60/079728  
; PRIOR FILING DATE: 1998-03-27  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 246  
; SEQ ID NO 53  
; LENGTH: 1664  
; TYPE: DNA  
; ORGANISM: Homo Sapien  
US-10-216-163-53

Query Match 66.4%; Score 18.6; DB 12; Length 1664;  
Best Local Similarity 84.0%; Pred. No. 1.3e+02;  
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GGGGCTGCAGGTCAAGATGCGGAA 25  
DB 728 GGGGCTGCAGGTCTAGGTGGAAGAA 752

RESULT 12  
US-10-227-884-53  
; Sequence 53, Application US/10227884  
; Publication No. US20030027988A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.



1  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Smith, Victoria  
APPLICANT: Stephan, Jean-Philippe F.  
APPLICANT: Watanabe, Colin L.  
APPLICANT: Wood, William I.  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
TITLE REFERENCE: ACIDS ENCODING THE SAME  
FILE REFERENCE: P3530P1C79  
CURRENT APPLICATION NUMBER: US/10/227,884  
CURRENT FILING DATE: 2002-08-26  
PRIOR APPLICATION NUMBER: 60/099803  
PRIOR FILING DATE: 1998-09-10  
PRIOR APPLICATION NUMBER: 60/099812  
PRIOR FILING DATE: 1998-09-10  
PRIOR APPLICATION NUMBER: 60/099816  
PRIOR FILING DATE: 1998-09-10  
PRIOR APPLICATION NUMBER: 60/100038  
PRIOR FILING DATE: 1998-09-11  
PRIOR APPLICATION NUMBER: 60/100385  
PRIOR FILING DATE: 1998-09-15  
PRIOR APPLICATION NUMBER: 60/100390  
PRIOR FILING DATE: 1998-09-15  
PRIOR APPLICATION NUMBER: 60/100627  
PRIOR FILING DATE: 1998-09-16  
PRIOR APPLICATION NUMBER: 60/100848  
PRIOR FILING DATE: 1998-09-18  
PRIOR APPLICATION NUMBER: 60/100919  
PRIOR FILING DATE: 1998-09-17  
PRIOR APPLICATION NUMBER: 60/101477  
PRIOR FILING DATE: 1998-09-23  
PRIOR APPLICATION NUMBER: 60/101738  
PRIOR FILING DATE: 1998-09-24  
PRIOR APPLICATION NUMBER: 60/101741  
PRIOR FILING DATE: 1998-09-24  
PRIOR APPLICATION NUMBER: 60/101786  
PRIOR FILING DATE: 1998-09-25  
PRIOR APPLICATION NUMBER: 60/101916  
PRIOR FILING DATE: 1998-09-24  
PRIOR APPLICATION NUMBER: 60/101922  
PRIOR FILING DATE: 1998-09-24  
PRIOR APPLICATION NUMBER: 60/106178  
PRIOR FILING DATE: 1998-10-28  
PRIOR APPLICATION NUMBER: 60/106248  
PRIOR FILING DATE: 1998-10-29  
PRIOR APPLICATION NUMBER: 60/106464  
PRIOR FILING DATE: 1998-10-30  
PRIOR APPLICATION NUMBER: 60/106905  
PRIOR FILING DATE: 1998-11-03  
PRIOR APPLICATION NUMBER: 60/108787  
PRIOR FILING DATE: 1998-11-17  
PRIOR APPLICATION NUMBER: 60/108801  
PRIOR FILING DATE: 1998-11-17  
PRIOR APPLICATION NUMBER: 60/108849  
PRIOR FILING DATE: 1998-11-18  
PRIOR APPLICATION NUMBER: 60/112422  
PRIOR FILING DATE: 1998-12-15  
PRIOR APPLICATION NUMBER: 60/113296  
PRIOR FILING DATE: 1998-12-22  
PRIOR APPLICATION NUMBER: 60/113605  
PRIOR FILING DATE: 1998-12-23  
PRIOR APPLICATION NUMBER: 60/113621  
PRIOR FILING DATE: 1998-12-23  
PRIOR APPLICATION NUMBER: 60/115558  
PRIOR FILING DATE: 1999-01-12  
PRIOR APPLICATION NUMBER: 60/115565  
PRIOR FILING DATE: 1999-01-12  
PRIOR APPLICATION NUMBER: 60/115733  
PRIOR FILING DATE: 1999-01-12  
PRIOR APPLICATION NUMBER: 60/119549  
PRIOR FILING DATE: 1999-02-10  
PRIOR APPLICATION NUMBER: 60/123618  
PRIOR FILING DATE: 1999-03-10  
PRIOR APPLICATION NUMBER: 60/125259  
PRIOR FILING DATE: 1999-03-19  
PRIOR APPLICATION NUMBER: 60/125775

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; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 60/126773
; PRIOR FILING DATE: 1999-03-29
; PRIOR APPLICATION NUMBER: 60/127887
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: 60/130232
; PRIOR FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: 60/131022
; PRIOR FILING DATE: 1999-04-26
; PRIOR APPLICATION NUMBER: 60/131270
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131291
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131445
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 60/134287
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 60/140650
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/140723
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/141037
; PRIOR FILING DATE: 1999-06-23
; PRIOR APPLICATION NUMBER: 60/144758
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/145698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: 60/146222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: 60/146963
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: 60/149320
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/149638
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/151733
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: 60/154418
; PRIOR FILING DATE: 1999-11-09
; PRIOR APPLICATION NUMBER: 60/156361
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: 60/169445
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169495
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

Query Match 66.4% Score 18.6; DB 14; Length 1664;
Best Local Similarity 84.0%; Pred. No. 1.3e+02;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 GGGGCTCAGGTCAAGATGCGGAA 25
    |||||
Db 728 GGGGCTCAGGTCTAGGTGGAAGAA 752

RESULT 13
US-10-230-163-53
; Sequence 53, Application US/10230163
; Publication No. US2003003635A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
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; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530PIC96
; CURRENT APPLICATION NUMBER: US/10/230,163
; PRIOR FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
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; PRIOR FILING DATE: 1997-10-31
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; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
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; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085579
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; PRIOR APPLICATION NUMBER: 60/095916
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; PRIOR APPLICATION NUMBER: 60/099596
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099598
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099803
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PRIOR APPLICATION NUMBER: 60/099811  
PRIOR FILING DATE: 1998-09-10  
PRIOR APPLICATION NUMBER: 60/099812  
PRIOR FILING DATE: 1998-09-10  
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PRIOR FILING DATE: 1998-09-10  
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PRIOR FILING DATE: 1998-09-11  
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PRIOR FILING DATE: 1998-12-23  
PRIOR APPLICATION NUMBER: 60/115558  
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PRIOR FILING DATE: 1999-04-21

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PRIOR FILING DATE: 1999-04-26  
PRIOR APPLICATION NUMBER: 60/131270  
PRIOR FILING DATE: 1999-04-27  
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PRIOR FILING DATE: 1999-04-27  
PRIOR APPLICATION NUMBER: 60/131445  
PRIOR FILING DATE: 1999-04-28  
PRIOR APPLICATION NUMBER: 60/134287  
PRIOR FILING DATE: 1999-05-14  
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PRIOR FILING DATE: 1999-06-22  
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PRIOR FILING DATE: 1999-06-23  
PRIOR APPLICATION NUMBER: 60/144758  
PRIOR FILING DATE: 1999-07-20  
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PRIOR FILING DATE: 1999-07-26  
PRIOR APPLICATION NUMBER: 60/146222  
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Query Match 66.4%; Score 18.6; DB 14; Length 1664;  
Best Local Similarity 84.0%; Pred. No. 1.3e+02;  
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GGGGCTGCAGGTCAAGATGGCGGAA 25  
|||||  
Db 728 GGGGCTGCAGGTCTAGGTGGAAGAA 752

## RESULT 14

US-10-230-338-53  
Sequence 53, Application US/10230338  
Publication No. US20030044934A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Desnoyers, Luc  
APPLICANT: Gerritsen, Mary  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Smith, Victoria  
APPLICANT: Stephan, Jean-Philippe F.  
APPLICANT: Watanabe, Colin L.  
APPLICANT: Wood, William I.  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE OF INVENTION: ACIDS ENCODING THE SAME  
FILE REFERENCE: P3530PIC92  
CURRENT APPLICATION NUMBER: US/10/230,338  
CURRENT FILING DATE: 2002-08-28  
PRIOR APPLICATION NUMBER: 10/119,480  
PRIOR FILING DATE: 2002-04-09  
PRIOR APPLICATION NUMBER: 60/059113

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; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 53
; LENGTH: 1664
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-230-338-53

Query Match      66.4%; Score 18.6; DB 14; Length 1664;
Best Local Similarity 84.0%; Pred. No. 1.3e+02;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy      1 GGGGCTGCAGGTCAGATGCGGAA 25
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Search completed: August 28, 2003, 19:15:16
Job time : 101.93 secs
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; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
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; LENGTH: 1664
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-218-631-53

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Best Local Similarity 84.0%; Pred. No. 1.3e+02;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy      1 GGGGCTGCAGGTCAGATGCGGAA 25
        |||||
Db      728 GGGGCTGCAGGTCAGTGGGAAGAA 752

Search completed: August 28, 2003, 19:15:16
Job time : 101.93 secs
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GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: August 28, 2003, 05:43:06 ; Search time 182.14 Seconds  
(without alignments)  
489.084 Million cell updates/sec

Title: US-10-054-444-4

Perfect score: 33  
Sequence: 1 gttgtcagcagcgccgtctctcccaagtggt 33

Scoring table: IDENTITY\_NUC

Gapop 10\_0 , Gapext 1.0

Searched: 2552756 seqs, 1349719017 residues

Total number of hits satisfying chosen parameters: 5105512

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : N\_Geneseq\_19Jun03.\*

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- 2: /SIDS1/gcgdata/geneseq/geneseq-emb1/NA1981.DAT.\*
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- 24: /SIDS1/gcgdata/geneseq/geneseq-emb1/NA2002.DAT.\*
- 25: /SIDS1/gcgdata/geneseq/geneseq-emb1/NA2003.DAT.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	33	100.0	33	AA15744	Reverse PCR primer
2	21.4	64.8	394	AA15744	Human cDNA encoding
3	20	60.6	1550	ABA83012	Human transcriptio
C 4	19.4	58.8	567	AA12861	Human CASB765 CDNA
C 5	19.4	58.8	1050	ABO68936	Listeria monocytog
C 6	19.4	58.8	1256	AA12860	Human CASB765 CDNA
C 7	19.4	58.8	1945	ABA04998	Human zinc finger
8	19.4	58.8	2086	AAH46826	Human novel polype

9	19.4	58.8	2086	22	AA15744	Gene #15 encoding
10	19.4	58.8	2086	25	ABQ77259	Human gonadotropin
C 11	19.4	58.8	3642	23	AA15744	DNA encoding novel
C 12	19.2	58.2	550	22	AA15744	Human reproductive
C 13	19.2	58.2	1698	23	AA15744	DNA encoding novel
C 14	19.2	58.2	2957	23	AA15744	DNA encoding novel
C 15	19.2	58.2	4114	23	AA15744	DNA encoding novel
16	19.2	58.2	10835	22	AA15744	Human immune/haema
17	19.2	58.2	14333	22	AA15744	Human immune/haema
18	19.2	58.2	3305	23	ABL11137	Drosophila melanog
19	19.2	58.2	5001	23	ABL11137	Drosophila melanog
20	19.2	58.2	5413	23	ABL11137	Drosophila melanog
21	19.2	58.2	5413	23	ABL11137	Drosophila melanog
C 22	18.8	57.0	50	24	ABK53105	Genomic sequence o
C 23	18.8	57.0	50	24	ABK53105	HIV-1 gag gene spe
C 24	18.8	57.0	660	24	ABK53105	HIV-1 gag amplifi
C 25	18.6	56.4	535	22	AAH10107	Human cDNA encodin
C 26	18.6	56.4	791	24	ABK53105	Human cDNA clone (
27	18.6	56.4	1929	22	AAH15548	Prostate specific
28	18.6	56.4	2145	23	AAH15727	Human cDNA sequenc
29	18.6	56.4	2558	22	AAK82696	DNA encoding sulfa
30	18.6	56.4	2558	22	AAK82696	Human immune/haema
31	18.6	56.4	2558	22	AAK82696	Human immune/haema
32	18.6	56.4	2600	24	AAK82696	Human immune/haema
33	18.6	56.4	3435	24	AAK82696	Human TRICH-13 CDN
C 34	18.6	56.4	4351	24	ABK53105	Human transporter
C 35	18.6	56.4	6911	22	AAK561508	Prostate specific
C 36	18.6	56.4	6911	22	AAK561508	Human immune/haema
C 37	18.6	56.4	6969	24	ABK561507	Human immune/haema
C 38	18.6	56.4	7318	18	AA15744	Human MCSP protein
C 39	18.6	56.4	8570	22	AA157889	Melanoma-associate
C 40	18.6	56.4	8689	22	AA159675	Human polynucleoti
C 41	18.6	56.4	8868	24	AA144758	Human polynucleoti
C 42	18.6	56.4	9472	14	AAQ33282	Human transporter
C 43	18.4	55.8	410	25	ABK53009	Korean hepatitis C
C 44	18.4	55.8	411	25	ABK53009	Bovine EST associa
C 45	18.4	55.8	615	24	ABT10557	Bovine EST associa
						Human breast canc

## ALIGNMENTS

RESULT 1  
AA15744  
ID AA15744 standard; DNA; 33 BP.

XX AA15744;

AC AA15744;

XX 15-AUG-2000 (first entry)

Reverse PCR primer used to clone chain 2 of Fel d1 into pCR2.1.

PCR primer; cat allergen; Fel d1; recombinant Fel d1 antigen; diagnosis;

KW protect; allergy; H22; anti-CD64 antibody; chain 2; ss.

XX Felis sp.

XX WO200020032-A1.

PD 13-APR-2000.

XX 05-OCT-1999; 99WO-US23251.

XX 06-OCT-1998; 98US-0103284.

XX (DART-) DARTMOUTH COLLEGE.

PA (MEDA-) MEDAREX INC.

XX Guyre PM, Goldstein JJ, Wu Z, Sun W;

XX WPI; 2000-303643/26.

XX Baculovirus composition for diagnosis of and protection against a cat

PT allergy in humans comprises recombinant Fel d1 -  
 XX Example 1; Page 4; 15pp; English.

XX This sequence represents a PCR primer used to clone the cat allergen Fel  
 CC d1 chain 2 nucleotide sequence into plasmid pCR2.1. Fel d1 is the major  
 CC allergen from cats, and consists of two polypeptide chains, chain 1 and  
 CC chain 2 which are normally linked by a disulfide bond. The PCR product is  
 CC used in the generation of a recombinant Fel d1 antigen in which the two  
 CC chains are expressed in series, linked together by a glycine/serine  
 CC linker, and targeted to CD64 through linkage to the sfv of monoclonal  
 CC antibody (Mab) H22. Mab H22 is a humanised anti-CD64 antibody. The  
 CC inclusion of the H22 sfv targets the fusion protein to monocytes and  
 CC dendritic cells. The invention relates to the expression of the  
 CC recombinant Fel d1 cat allergen, and its use in a method for diagnosing  
 CC a human with cat allergy. The administration of a composition comprising  
 CC the baculovirus expressed recombinant Fel d1 allergen can be used to  
 CC protect against cat allergy in a human. Expressing recombinant Fel d1 in  
 CC a baculovirus improves its immunoreactivity for immunoglobulins E and G.  
 XX  
 SQ Sequence 33 BP; 5 A; 11 C; 9 G; 8 T; 0 other;

Query Match 100.0%; Score 33; DB 21; Length 33;  
 Best Local Similarity 100.0%; Pred. No. 0.00056;  
 Matches 33; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GTGTCTCAGCAGCGCGCTCTCCCAAGTGT 33  
 |||||  
 Db 1 GTGTCTCAGCAGCGCGCTCTCCCAAGTGT 33

## RESULT 2

AA333712  
 ID AAS33712 standard; cDNA; 394 BP.

XX AC AAS33712;

XX DT 17-DEC-2001 (first entry)

DE Human cDNA encoding a novel foetal antigen, SEQ ID No 236.

XX Human; foetal tissue antigen; ss; antiinflammatory; neuroprotective;  
 KW immunomodulator; cardiovascular; cytostatic; nephrothropic;  
 KW cardiovascular; autoimmune disease; rheumatoid arthritis;  
 KW hyperproliferative disorder; breast neoplasm; cancer;  
 KW cardiovascular disorder; cardiac arrest; cerebrovascular disorder;  
 KW cerebral ischaemia; angiogenesis; nervous system disorder;  
 KW Alzheimer's disease; infection; ocular disorder; corneal infection;  
 KW wound healing; epithelial cell proliferation; food additive.

XX OS Homo sapiens.

XX WO200155312-A2.

PN 02-AUG-2001.

XX 17-JAN-2001; 2001WO-US01321.

XX 31-JAN-2000; 2000US-0179065.

PR 04-FEB-2000; 2000US-0180628.

PR 24-FEB-2000; 2000US-0184664.

PR 02-MAR-2000; 2000US-0186350.

PR 16-MAR-2000; 2000US-0189874.

PR 17-MAR-2000; 2000US-0190076.

PR 18-APR-2000; 2000US-0198123.

PR 19-MAY-2000; 2000US-0205515.

PR 07-JUN-2000; 2000US-0209467.

PR 28-JUN-2000; 2000US-0214896.

PR 30-JUN-2000; 2000US-0215135.

PR 07-JUL-2000; 2000US-0216647.

PR 11-JUL-2000; 2000US-0216880.

PR 11-JUL-2000; 2000US-0217487.

PR 11-JUL-2000; 2000US-0217496.

PR 14-JUL-2000; 2000US-0218290.  
 PR 26-JUL-2000; 2000US-0220963.  
 PR 26-JUL-2000; 2000US-0220964.  
 PR 14-AUG-2000; 2000US-0224518.  
 PR 14-AUG-2000; 2000US-0224519.  
 PR 14-AUG-2000; 2000US-0225213.  
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 PR 14-AUG-2000; 2000US-0225447.  
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 PR 14-AUG-2000; 2000US-0225758.  
 PR 18-AUG-2000; 2000US-0226279.  
 PR 22-AUG-2000; 2000US-0226681.  
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 PR 23-AUG-2000; 2000US-0227009.  
 PR 30-AUG-2000; 2000US-0228924.  
 PR 01-SEP-2000; 2000US-0229287.  
 PR 01-SEP-2000; 2000US-0229343.  
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 PR 05-SEP-2000; 2000US-0229509.  
 PR 06-SEP-2000; 2000US-0229513.  
 PR 06-SEP-2000; 2000US-0230438.  
 PR 08-SEP-2000; 2000US-0231242.  
 PR 08-SEP-2000; 2000US-0231243.  
 PR 08-SEP-2000; 2000US-0231244.  
 PR 08-SEP-2000; 2000US-0231413.  
 PR 08-SEP-2000; 2000US-0231414.  
 PR 08-SEP-2000; 2000US-0232080.  
 PR 12-SEP-2000; 2000US-0232081.  
 PR 14-SEP-2000; 2000US-0232397.  
 PR 14-SEP-2000; 2000US-0232398.  
 PR 14-SEP-2000; 2000US-0232399.  
 PR 14-SEP-2000; 2000US-0232400.  
 PR 14-SEP-2000; 2000US-0232401.  
 PR 14-SEP-2000; 2000US-0233063.  
 PR 14-SEP-2000; 2000US-0233064.  
 PR 21-SEP-2000; 2000US-0233065.  
 PR 21-SEP-2000; 2000US-0234223.  
 PR 25-SEP-2000; 2000US-0234274.  
 PR 25-SEP-2000; 2000US-0234997.  
 PR 26-SEP-2000; 2000US-0234998.  
 PR 26-SEP-2000; 2000US-0235484.  
 PR 27-SEP-2000; 2000US-0235834.  
 PR 27-SEP-2000; 2000US-0235836.  
 PR 29-SEP-2000; 2000US-0236327.  
 PR 29-SEP-2000; 2000US-0236367.  
 PR 29-SEP-2000; 2000US-0236368.  
 PR 29-SEP-2000; 2000US-0236369.  
 PR 29-SEP-2000; 2000US-0236370.  
 PR 02-OCT-2000; 2000US-0236802.  
 PR 02-OCT-2000; 2000US-0237037.  
 PR 02-OCT-2000; 2000US-0237038.  
 PR 02-OCT-2000; 2000US-0237039.  
 PR 02-OCT-2000; 2000US-0237040.  
 PR 13-OCT-2000; 2000US-0239335.  
 PR 13-OCT-2000; 2000US-0239337.  
 PR 20-OCT-2000; 2000US-0240960.  
 PR 20-OCT-2000; 2000US-0241221.  
 PR 20-OCT-2000; 2000US-0241785.  
 PR 20-OCT-2000; 2000US-0241786.  
 PR 20-OCT-2000; 2000US-0241787.  
 PR 20-OCT-2000; 2000US-0241808.  
 PR 20-OCT-2000; 2000US-0241809.  
 PR 20-OCT-2000; 2000US-0241826.  
 PR 01-NOV-2000; 2000US-0244617.

PR	08-NOV-2000;	2000US-0246474.
PR	08-NOV-2000;	2000US-0246475.
PR	08-NOV-2000;	2000US-0246476.
PR	08-NOV-2000;	2000US-0246477.
PR	08-NOV-2000;	2000US-0246478.
PR	08-NOV-2000;	2000US-0246523.
PR	08-NOV-2000;	2000US-0246524.
PR	08-NOV-2000;	2000US-0246525.
PR	08-NOV-2000;	2000US-0246526.
PR	08-NOV-2000;	2000US-0246527.
PR	08-NOV-2000;	2000US-0246528.
PR	08-NOV-2000;	2000US-0246532.
PR	08-NOV-2000;	2000US-0246609.
PR	08-NOV-2000;	2000US-0246610.
PR	08-NOV-2000;	2000US-0246611.
PR	08-NOV-2000;	2000US-0246613.
PR	17-NOV-2000;	2000US-0249207.
PR	17-NOV-2000;	2000US-0249208.
PR	17-NOV-2000;	2000US-0249209.
PR	17-NOV-2000;	2000US-0249210.
PR	17-NOV-2000;	2000US-0249211.
PR	17-NOV-2000;	2000US-0249212.
PR	17-NOV-2000;	2000US-0249213.
PR	17-NOV-2000;	2000US-0249214.
PR	17-NOV-2000;	2000US-0249215.
PR	17-NOV-2000;	2000US-0249216.
PR	17-NOV-2000;	2000US-0249217.
PR	17-NOV-2000;	2000US-0249218.
PR	17-NOV-2000;	2000US-0249244.
PR	17-NOV-2000;	2000US-0249245.
PR	17-NOV-2000;	2000US-0249264.
PR	17-NOV-2000;	2000US-0249265.
PR	17-NOV-2000;	2000US-0249297.
PR	17-NOV-2000;	2000US-0249299.
PR	17-NOV-2000;	2000US-0249300.
PR	01-DEC-2000;	2000US-0250160.
PR	01-DEC-2000;	2000US-0250391.
PR	05-DEC-2000;	2000US-0251030.
PR	05-DEC-2000;	2000US-0251988.
PR	06-DEC-2000;	2000US-0256719.
PR	08-DEC-2000;	2000US-0251479.
PR	08-DEC-2000;	2000US-0251856.
PR	08-DEC-2000;	2000US-0251868.
PR	08-DEC-2000;	2000US-0251869.
PR	08-DEC-2000;	2000US-0251989.
PR	08-DEC-2000;	2000US-0251990.
PR	11-DEC-2000;	2000US-0254097.
PR	05-JAN-2001;	2001US-0259678.
XX	(HUMA-) HUMAN GENOME SCI INC	
XX	Rosen CA, Barash SC, Ruben	
PI	WPI; 2001-488782/53.	
DR	P-PSDB; AAU20892.	

New polynucleotides and polypeptides for diagnosing, treating, preventing or prognosing e.g. diseases or disorders of the nervous, musculoskeletal, excretory, gastrointestinal, reproductive, and respiratory systems -

PS Claim 1; SEQ ID No 236; 642pp; English.

The invention relates to novel nucleic acids encoding novel human foetal antigens. The nucleic acids and proteins are used to prevent, treat (e.g. by gene therapy) or ameliorate a medical condition in e.g. humans, mice, rabbits, goats, horses, cats, dogs, chickens or sheep. They are also used in diagnosing a pathological condition or susceptibility to a pathological condition. The antibodies to the antigens can also be used in alleviating symptoms associated with the disorders and in diagnostic immunoassays e.g. radioimmunoassays or enzyme linked immunosorbent assays (ELISA). Disorders which are diagnosed or treated include autoimmune diseases e.g. rheumatoid arthritis,

hyperproliferative disorders e.g. neoplasms of the breast or liver, cardiovascular disorders e.g. cardiac arrest, cerebrovascular disorders e.g. cerebral ischaemia, angiogenesis, nervous system disorders e.g. Alzheimer's disease, infections caused by bacteria, viruses and fungi and ocular disorders e.g. corneal infection. The polypeptides can also be used to aid wound healing and epithelial cell proliferation, to prevent skin aging due to sunburn, to maintain organs before transplantation, for supporting cell culture of primary tissues, to regenerate tissues and in chemotaxis. The polypeptides can also be used as a food additive or preservative to increase or decrease storage capabilities, fat content, lipid, protein, carbohydrate, vitamins, minerals, cofactors and other nutritional components. Numerous examples of diseases and disorders treated by the nucleic acids and proteins are given in the specification. The present sequence

Query Match 64.8%; Score 21.4; DB 22; Length 394;  
Best Local Similarity 80.6%; Pred. No. 35;  
Matches 25; Conservative 0; Mismatches 6; Indels 0

Qy 3 TGTGAGCAGCGGCGGTCTCTCCCAAGTCTT 33  
Db 255 TGACAGCAGCAACTGTCTTCCCAAGTCTT 285

### RESULT 3

ABA83012  
ID ABA83012 standard; DNA; 1550 BP.

AC ABA83012;

DT 05-FEB-2002 (first entry)

DE Human transcription factor TRFX-39 coding sequence.

Human; transcription factor; TRFX; cell proliferative disease;  
KW  
KW  
KW  
autoimmune disease; inflammation; neurological disease;

KW autoimmune disease; inflammation; neurological disease;  
KW developmental disorder; cancer; AIDS; infection; cytostatic; anti-HIV;  
KW neuroprotective; antiinflammatory; gene therapy; ds.

OS Homo sapiens.

PN WO200172777-A2.

PD 04-OCT-2001.

13-MAR-2001: 2001WO-US081117.

PR 13-MAR-2000: 2000US-0188986

PA (INCY-) INCYTE GENOMICS INC.

PI Hillman JL, Baughn MR, Yue H, Lal P, Lu DAM, Patterson C;  
PI Azimzai Y, Bandman O, Tang YT, Mathur P, Shah P, Au-Young J;  
PI Reddy R;

DR WPI; 2001-570896/64.  
DR P-PSDB: ABB50188.

PT Novel transcription factor polypeptides, used to treat diseases  
PT associated with altered activity and expression of TRFX, and to screen  
PT for agents capable of modulating its activity -

PS Claim 11; Page 281; 327pp; English.

CC The present sequence is the coding sequence for a human transcription  
CC factor. The transcription factor and its coding sequence are useful in  
CC the diagnosis, treatment and prevention of diseases associated with  
CC altered expression of the transcription factor e.g. cell proliferative,  
CC autoimmune/inflammatory, neurological and developmental disorders. A  
CC number of specific disorders/diseases are given in the specification,  
CC including: arterioleclerosis, cirrhosis, hepatitis, cancers, AIDS,  
CC allergies, anaemia, asthma, autoimmune thyroiditis, bronchitis, atopic  
CC dermatitis, diabetes mellitus, emphysema, Goodpasture's syndrome, gout.

Db  
95 CAGCGCGCGCTCTCCCA 75

RESULT 5  
ABQ68936/c  
ID ABQ68936 standard; DNA; 1090 BP.  
XX  
XX  
AC ABQ68936;  
XX

29-AUG-2002 (11:58:00 AM)  
XX  
DE *Listeria monocytogenes* 4b contig DNA sequence #1702.

XX infection; US.  
OS *Listeria monocytogenes* 4b.

WO200228891-A2.  
 FN XX  
 PD 11-APR-2002.

04-OCT-2000; 2000FR-001269/.

AA WPI; 2002-332479/37.  
DR  
XX

PS Claim 14; SEQ ID 1749; 180pp; French.

the present invention relates to nucleic acid sequences  
 CC (ABQ67188-ABQ71212) from *Listeria* sp. The sequences are useful as  
 CC and primers for identification and/or detection of *Listeria* (e.g.,  
 CC

CC used to screen for compounds that modulate gene expression, repli  
CC and pathogenicity of *Listeria* (potential therapeutic agents), also  
CC gene expression. Proteins encoded by the nucleic acid sequences

CC treating infections by *Listeria*, and are useful as immunogens in  
CC anti-*Listeria* vaccines.  
CC Note: The sequence data for this patent did not form part

XX  
SQ Sequence 1090 BP; 359 A; 231 C; 198 G; 302 T; 0 other;

	Matches	Z3; Conservative	U; Mismatches	6; Indels	U;
Qy	3	TGTGAGCAGCGCGCTCTCCCCAAGTG	31		
Db	1070	TGTGAGGGTGGCGCTTTCCCCAGAGGG	1042		

AAD12860/C  
 ID AAD12860 standard; cDNA; 1256 BP.  
 XX

DI	16-OCT-2001 (first entry)
XX	
DE	Human CASH765 cDNA.



XX	Human, CASB765; tumour; immunogen; cancer; colorectal; lung;
KW	preneoplastic lesion; colon; autoimmune disease; cytostatic;
KW	vaccine; gene therapy; ss.
XX	
OS	Homo sapiens.
XX	
FH	Key Location/Qualifiers
FT	1..936
FT	/*tag= a
FT	/product= "CASB765"
FT	/transl_except= (pos:220..222, aa:Xaa)
FT	/note= "Xaa is an unknown amino acid"
XX	
PN	WO200157077-A1.
XX	
PD	09-AUG-2001.
XX	
PF	30-JAN-2001; 2001WO-GB00372.
XX	
PR	02-FEB-2000; 2000GB-0002402.
XX	
PA	(SMIK ) SMITHKLINE BEECHAM BIOLOGICALS.
PA	(SMIK ) SMITHKLINE BEECHAM PLC.
XX	
PI	Gaulis SRJ, Larminie GGC, Vinals De Bassols YC;
XX	
DR	WPI; 2001-488867/53.
DR	P-PSDB; AAE06730.
XX	
PT	Novel CASB765 polypeptide, used to treat or diagnose colorectal or lung
PT	cancer, or preneoplastic lesions of lung or colon -
XX	
PS	Claim 13; Page 64; 88pp; English.
XX	
CC	The present sequence is a cDNA encoding human CASB765 protein which is
CC	specifically expressed or over-expressed in tumours. The CASB765
CC	polypeptide serves as immunogen for tumours. The CASB765 polynucleotide
CC	and polypeptide are used for diagnosis, in vaccine composition for
CC	prophylactic and therapeutic treatment of cancers, especially colorectal
CC	and lung cancer, preneoplastic lesions of lung and colon, and autoimmune
CC	diseases.
XX	
SQ	Sequence 1256 BP; 229 A; 371 C; 363 G; 290 T; 3 other;
	Query Match 58.8%; Score 19.4; DB 22; Length 1256;
	Best Local Similarity 95.2%; Pred. No. 2.6e+02;
	Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0
QY	6 CAGCAGCGCGGCTCTCCCCA 26
DB	782 CAGCGCGGCGGCTCTCCCCA 762
RESULT 7	
ABAO4998/c	
ID	ABAO4998 standard; cDNA; 1945 BP.
XX	
AC	ABAO4998;
XX	
DT	04-MAR-2002 (first entry)
XX	
XX	Human zinc finger protein 15 coding sequence.
XX	
KW	Human; zinc finger protein 15; tumour; haemopathy; HIV infection;
KW	immune disease; inflammation; cytostatic; immunomodulatory; gene therapy;
KW	haemostatic; virucide; antiinflammatory; ss.
XX	
OS	Homo sapiens.
XX	
FH	Key Location/Qualifiers
FT	1058..1480
FT	/*tag= a

PR 08-SEP-2000; 2000US-0231413.  
 PR 01-DEC-2000; 2000US-0250160.  
 PR 05-DEC-2000; 2000US-0251988.  
 PR 05-DEC-2000; 2000US-0256719.  
 PR 06-DEC-2000; 2000US-0251479.  
 PR 08-DEC-2000; 2000US-0251989.  
 XX (HUMA-) HUMAN GENOME SCI INC.  
 PA Rosen CA, Barash SC, Ruben SM;  
 XX WPI; 2001-476181/51.  
 DR P-PSDB; AAB85461.  
 XX Novel proteins and nucleic acid molecules useful for diagnosis,  
 PT prevention, treatment of neural, immune system, muscular, reproductive,  
 PT pulmonary, cardiovascular, renal, proliferative disorders and cancerous  
 PT diseases -  
 XX Claim 1; Page 4226-427; 431pp; English.  
 XX The invention provides novel human polypeptides and polynucleotides  
 CC contained in clones HSDH12 and HSD1748 encoding them. They are useful  
 CC for diagnosis, prognosis, prevention and treatment of neurodegenerative  
 CC disorders, immune system diseases, autoimmune diseases, allergic  
 CC reactions, infectious diseases, hyperproliferative disorders, renal  
 CC disorders, cardiovascular disorders, cerebrovascular disorders,  
 CC respiratory disorders, endocrine disorders, gastrointestinal disorders  
 CC and also muscular, reproductive disorders and to enhance antiviral,  
 CC antifungal, antibacterial and antiparasitic immune responses (see  
 CC AAH46816 for a detailed description of the diseases). The compounds also  
 CC exhibit anti-angiogenic and chemotaxis activity, and also useful for  
 CC epithelial cell proliferation, tissue regeneration and treating wound  
 CC healing. The present sequence represents a human novel polypeptide  
 CC encoding cDNA.  
 XX SQ Sequence 2086 BP; 554 A; 440 C; 521 G; 571 T; 0 other;  
 Query Match 58.8%; Score 19.4; DB 22; Length 2086;  
 Best Local Similarity 79.3%; Pred. No. 2.7e+02;  
 Matches 23; Conservative 0; Mismatches 6; Indels 0; Gaps 0;  
 QY 3 TGTCAGCAGCGCGCTCTCCCAAGTG 31  
 |||||  
 Db 424 TGCCAGCAGCGCCATGCTCCCGAGGTG 452  
 RESULT 9  
 AAS12522  
 ID AAS12522 standard; DNA; 2086 BP.  
 XX AAS12522;  
 AC AAS12522;  
 XX 04-DEC-2001 (first entry)  
 DT 04-DEC-2001 (first entry)  
 DE Gene #15 encoding novel human serine carboxypeptidase polypeptide #15.  
 XX Human; serine carboxypeptidase; immune disorder; angiogenic disorder;  
 KW hyperproliferative disorder; cardiovascular disorder; immunomodulatory;  
 KW cytoskeletal; cardiovascular; antiinflammatory; antiatherosclerotic; ds.  
 XX Homo sapiens.  
 OS Homo sapiens.  
 XX WO200162789-A1.  
 PN 30-AUG-2001.  
 XX 22-FEB-2001; 2001WO-US05498.  
 PF 24-FEB-2000; 2000US-0184654.  
 PR 16-MAR-2000; 2000US-0189874.  
 XX (HUMA-) HUMAN GENOME SCI INC.  
 PA

XX Ni J, Shi Y, Ebner R, Choi GH, Ruben SM;  
 PI WPI; 2001-502866/55.  
 DR P-PSDB; AAU07854.  
 XX Nucleic acids encoding 15 human polypeptides, useful for preventing,  
 PT diagnosing and/or treating DiGeorge syndrome, Sezary Syndrome, Scimitar  
 PT Syndrome and Crohn's disease -  
 XX Claim 4; Page 323; 340pp; English.  
 XX The present invention relates to the isolation of novel human serine  
 CC carboxypeptidase polypeptides (AAU07840-AAU07854) and the genes  
 CC encoding them. The sequences of the invention can be used in the  
 CC diagnosis and/or treatment of diseases and/or disorders of peptidase  
 CC activities. Such disorders include immune disorders (e.g. DiGeorge  
 CC syndrome, Goodpasture syndrome and Addison's disease Hashimoto's  
 CC thyroiditis), hyperproliferative disorders (e.g. colon cancer, skin  
 CC cancer, Sezary Syndrome and Gaucher's disease), cardiovascular disorders  
 CC (e.g. aneurysm, Scimitar Syndrome and tachycardia) and/or angiogenic  
 CC disorders (e.g. Osler-Webber Syndrome, Crohn's disease and  
 CC atherosclerosis). AAS12508-AAS12522 represent genes encoding the novel  
 CC human serine carboxypeptidase polypeptides of the invention.  
 XX SQ Sequence 2086 BP; 554 A; 440 C; 521 G; 571 T; 0 other;  
 Query Match 58.8%; Score 19.4; DB 22; Length 2086;  
 Best Local Similarity 79.3%; Pred. No. 2.7e+02;  
 Matches 23; Conservative 0; Mismatches 6; Indels 0; Gaps 0;  
 QY 3 TGTCAGCAGCGCGCTCTCCCAAGTG 31  
 |||||  
 Db 424 TGCCAGCAGCGCCATGCTCCCGAGGTG 452  
 RESULT 10  
 ABQ77259  
 ID ABQ77259 standard; cDNA; 2086 BP.  
 XX ABQ77259;  
 AC ABQ77259;  
 XX 17-APR-2003 (first entry)  
 DT 17-APR-2003 (first entry)  
 DE Human gonadotropin-releasing hormone HSD1748 cDNA.  
 XX Human; antiallergic; antiaesthetic; antiinflammatory; antibacterial;  
 KW viricide; fungicide; antidiabetic; anti-HIV; cytostatic; vulnerary;  
 KW antianemic; antiarteriosclerotic; immunosuppressive; nootropic; AIDS;  
 KW neuroprotective; antirheumatic; vasotropic; antithyroid; antithyroid;  
 KW dermatological; antiparkinsonian; cancer; hyperproliferative disorder;  
 KW autoimmune disorder; systemic lupus erythematosus; multiple sclerosis;  
 KW haematopoietic disorder; haematologic disorder; eczema; gene therapy; ss;  
 KW inflammatory bowel disease; Crohn's disease; neurodegenerative disorder;  
 KW Alzheimer's disease; Parkinson's disease; cardiovascular disorder; HIV;  
 KW infectious disease; wound healing; epithelial cell proliferation; gene.  
 XX Homo sapiens.  
 OS Homo sapiens.  
 XX US2002151009-A1.  
 PN 17-OCT-2002.  
 PD 28-AUG-2001; 2001US-0939825.  
 PF 24-FEB-2000; 2000US-184664P.  
 PR 16-MAR-2000; 2000US-189874P.  
 PR 22-FEB-2001; 2001WO-US05498.  
 XX (HUMA-) HUMAN GENOME SCI INC.  
 PA Ni J, Shi Y, Ebner R, Ruben SM;  
 PI XX

DR WPI: 2003-198289/19.  
 DR P-PSDB; ABG74535.  
 XX  
 PT New human polypeptides and nucleic acid molecules, useful for  
 PT detecting, preventing, diagnosing, prognosticating, treating or  
 PT ameliorating medical conditions such as cancer, AIDS, Alzheimer's  
 PT disease or Parkinson's disease -  
 XX  
 PS Claim 1: Page 138-139; 152pp; English.  
 XX  
 CC This invention describes novel human polypeptide and the polynucleotides  
 CC that encode them which have anti-allergic, antiasthmatic, antibacterial,  
 CC anti-inflammatory, virucide, fungicide, antidiabetic, anti-HIV, nootropic,  
 CC cytosolic, vulnerary, antianemic, antiarteriosclerotic, antiarthritic,  
 CC immunosuppressive, neuroprotective, anti-rheumatic, vasotropic,  
 CC dermatological, antithyroid and antiparkinsonian activity. The  
 CC polypeptides and nucleic acid molecules are useful for detecting,  
 CC preventing, diagnosing, prognosticating, treating or ameliorating medical  
 CC conditions such as cancer or other hyperproliferative disorders,  
 CC autoimmune disorders (e.g. diabetes, rheumatoid arthritis, systemic lupus  
 CC erythematosus, multiple sclerosis, autoimmune thyroiditis or haemolytic  
 CC anaemia), haematopoietic or haematologic disorders (e.g. anaemia,  
 CC thrombocytopaenia), allergic reactions including asthma or eczema,  
 CC inflammatory disorders (e.g. ischaemia-reperfusion injury, inflammatory  
 CC bowel disease or Crohn's disease), neurodegenerative disorders (e.g.  
 CC Alzheimer's disease or Parkinson's disease), cardiovascular disorders  
 CC (e.g. atherosclerosis, myocarditis), infectious diseases (bacterial,  
 CC fungal or viral infections including HIV/AIDS), or wound healing and  
 CC disorders of epithelial cell proliferation. The nucleic acids are also  
 CC useful for gene therapy, chromosome identification, radiation hybrid  
 CC mapping or long-range restriction mapping, as molecular weight markers,  
 CC or as hybridisation or diagnostic probes. The polypeptides and antibodies  
 CC are useful for providing immunological probes for differential  
 CC identification of the tissues immunohistochemistry assays. The methods  
 CC are also useful for inhibiting or enhancing the production and function  
 CC of the polypeptide, or identifying a binding partner for the polypeptide.  
 CC This sequence encodes a polypeptide described in the disclosure of the  
 XX invention.  
 XX  
 SQ Sequence 2086 BP; 554 A; 440 C; 521 G; 571 T; 0 other;  
 Query Match 58.8%; Score 19.4; DB 25; Length 2086;  
 Best Local Similarity 79.3%; Pred. No. 2.7e+02;  
 Matches 23; Conservative 0; Mismatches 6; Indels 0; Gaps 0;  
 QY 3 TGTGACGAGCGCGCTCTCCCAAGTG 31  
 |||||  
 Db 424 TGCAGCAGCGCGCTCTCCCAAGTG 452  
 |||||  
 RESULT 11  
 AAS85083/c  
 ID AAS85083 standard; cDNA; 3642 BP.  
 XX  
 AC AAS85083;  
 XX  
 DT 13-FEB-2002 (first entry)  
 XX  
 DE DNA encoding novel human diagnostic protein #20887.  
 XX  
 KW Human; chromosome mapping; gene mapping; gene therapy; forensic;  
 KW food supplement; medical imaging; diagnostic; genetic disorder; ss.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200175067-A2.  
 XX  
 PD 11-OCT-2001.  
 XX  
 PF 30-MAR-2001; 2001WO-US08631.  
 XX  
 PR 31-MAR-2000; 2000US-0540217.  
 PR 23-AUG-2000; 2000US-0649167.  
 PR

(HYSE-) HYSEQ INC.  
 Drmanac RT, Liu C, Tang YT;  
 WPI: 2001-639362/73.  
 P-PSDB; ABG20896.  
 XX  
 PT New isolated polynucleotide and encoded polypeptides, useful in  
 PT diagnostics, forensics, gene mapping, identification of mutations  
 PT responsible for genetic disorders or other traits and to assess  
 PT biodiversity -  
 XX  
 PS Claim 1: SEQ ID No 20887; 103pp; English.  
 XX  
 CC The invention relates to isolated polynucleotide (I) and  
 CC polypeptide (II) sequences. (I) is useful as hybridisation probes,  
 CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome  
 CC and gene mapping, and in recombinant production of (II). The  
 CC polynucleotides are also used in diagnostics as expressed sequence tags  
 CC for identifying expressed genes. (I) is useful in gene therapy techniques  
 CC to restore normal activity of (II) or to treat disease states involving  
 CC (II). (II) is useful for generating antibodies against it, detecting or  
 CC quantitating a polypeptide in tissue, as molecular weight markers and as  
 CC a food supplement. (II) and its binding partners are useful in medical  
 CC imaging of sites expressing (II). (I) and (II) are useful for treating  
 CC disorders involving aberrant protein expression or biological activity.  
 CC The polypeptide and polynucleotide sequences have applications in  
 CC diagnostics, forensics, gene mapping, identification of mutations  
 CC responsible for genetic disorders or other traits to assess biodiversity  
 CC and to produce other types of data and products dependent on DNA and  
 CC amino acid sequences. AAS64197-AAS94564 represent novel human  
 CC diagnostic coding sequences of the invention.  
 CC Note: The sequence data for this patent did not appear in the printed  
 CC specification, but was obtained in electronic format directly from WIPO  
 CC at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX  
 SQ Sequence 3642 BP; 824 A; 935 C; 1168 G; 715 T; 0 other;  
 Query Match 58.8%; Score 19.4; DB 23; Length 3642;  
 Best Local Similarity 95.2%; Pred. No. 2.9e+02;  
 Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 6 CAGCAGCGCGCGCTCTCCCA 26  
 |||||  
 Db 2534 CAGCGCGCGCGCTCTCCCA 2514  
 |||||  
 RESULT 12  
 AAL02410/c.  
 ID AAL02410 standard; cDNA; 550 BP.  
 XX  
 AC AAL02410;  
 XX  
 DT 21-NOV-2001 (first entry)  
 XX  
 DE Human reproductive system related antigen cDNA SEQ ID NO: 2411.  
 XX  
 KW Human; reproductive system related antigen; reproductive system disorder;  
 KW cancer; gene therapy; ss.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200155320-A2.  
 XX  
 PD 02-AUG-2001.  
 XX  
 PF 17-JAN-2001; 2001WO-US01339.  
 XX  
 PR 31-JAN-2000; 2000US-0179065.  
 PR 04-FEB-2000; 2000US-0180628.  
 PR 24-FEB-2000; 2000US-0184664.  
 PR 02-MAR-2000; 2000US-0186350.  
 PR

PR	16-MAR-2000;	2000US-0189874.
PR	17-MAR-2000;	2000US-0190076.
PR	18-APR-2000;	2000US-0198123.
PR	19-MAY-2000;	2000US-0205515.
PR	07-JUN-2000;	2000US-0209467.
PR	28-JUN-2000;	2000US-0214886.
PR	30-JUN-2000;	2000US-0215135.
PR	07-JUL-2000;	2000US-0216647.
PR	07-JUL-2000;	2000US-0216880.
PR	11-JUL-2000;	2000US-0217487.
PR	11-JUL-2000;	2000US-0217496.
PR	14-JUL-2000;	2000US-0218290.
PR	26-JUL-2000;	2000US-0220963.
PR	26-JUL-2000;	2000US-0220964.
PR	14-AUG-2000;	2000US-0224518.
PR	14-AUG-2000;	2000US-0224519.
PR	14-AUG-2000;	2000US-0225213.
PR	14-AUG-2000;	2000US-0225214.
PR	14-AUG-2000;	2000US-0225266.
PR	14-AUG-2000;	2000US-0225267.
PR	14-AUG-2000;	2000US-0225268.
PR	14-AUG-2000;	2000US-0225270.
PR	14-AUG-2000;	2000US-0225270.
PR	14-AUG-2000;	2000US-0225447.
PR	14-AUG-2000;	2000US-0225757.
PR	14-AUG-2000;	2000US-0225758.
PR	14-AUG-2000;	2000US-0225759.
PR	18-AUG-2000;	2000US-0226278.
PR	22-AUG-2000;	2000US-0226681.
PR	22-AUG-2000;	2000US-0226868.
PR	22-AUG-2000;	2000US-0227182.
PR	23-AUG-2000;	2000US-0227009.
PR	30-AUG-2000;	2000US-0228924.
PR	01-SEP-2000;	2000US-0229287.
PR	01-SEP-2000;	2000US-0229343.
PR	01-SEP-2000;	2000US-0229344.
PR	01-SEP-2000;	2000US-0229345.
PR	05-SEP-2000;	2000US-0229509.
PR	05-SEP-2000;	2000US-0229513.
PR	06-SEP-2000;	2000US-0230437.
PR	06-SEP-2000;	2000US-0230438.
PR	08-SEP-2000;	2000US-0231242.
PR	08-SEP-2000;	2000US-0231243.
PR	08-SEP-2000;	2000US-0231244.
PR	08-SEP-2000;	2000US-0231413.
PR	08-SEP-2000;	2000US-0231414.
PR	08-SEP-2000;	2000US-0232080.
PR	08-SEP-2000;	2000US-0232081.
PR	12-SEP-2000;	2000US-0231968.
PR	14-SEP-2000;	2000US-0232397.
PR	14-SEP-2000;	2000US-0232398.
PR	14-SEP-2000;	2000US-0232399.
PR	14-SEP-2000;	2000US-0232400.
PR	14-SEP-2000;	2000US-0232401.
PR	14-SEP-2000;	2000US-0233063.
PR	14-SEP-2000;	2000US-0233064.
PR	21-SEP-2000;	2000US-0233065.
PR	21-SEP-2000;	2000US-0234223.
PR	21-SEP-2000;	2000US-0234274.
PR	25-SEP-2000;	2000US-0234997.
PR	25-SEP-2000;	2000US-0234998.
PR	26-SEP-2000;	2000US-0235484.
PR	27-SEP-2000;	2000US-0235834.
PR	27-SEP-2000;	2000US-0235836.
PR	29-SEP-2000;	2000US-0236327.
PR	29-SEP-2000;	2000US-0236367.
PR	29-SEP-2000;	2000US-0236368.
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PR	29-SEP-2000;	2000US-0236370.
PR	02-OCT-2000;	2000US-0236802.
PR	02-OCT-2000;	2000US-0237037.
PR	02-OCT-2000;	2000US-0237038.
PR	02-OCT-2000;	2000US-0237039.
PR	02-OCT-2000;	2000US-0237040.
PR	13-OCT-2000;	2000US-0239935.
PR	13-OCT-2000;	2000US-0239937.
PR	20-OCT-2000;	2000US-0240960.
PR	20-OCT-2000;	2000US-0241221.
PR	20-OCT-2000;	2000US-0241785.
PR	20-OCT-2000;	2000US-0241786.
PR	20-OCT-2000;	2000US-0241787.
PR	20-OCT-2000;	2000US-0241808.
PR	20-OCT-2000;	2000US-0241809.
PR	20-OCT-2000;	2000US-0241826.
PR	01-NOV-2000;	2000US-0244617.
PR	08-NOV-2000;	2000US-0246474.
PR	08-NOV-2000;	2000US-0246475.
PR	08-NOV-2000;	2000US-0246476.
PR	08-NOV-2000;	2000US-0246477.
PR	08-NOV-2000;	2000US-0246478.
PR	08-NOV-2000;	2000US-0246523.
PR	08-NOV-2000;	2000US-0246524.
PR	08-NOV-2000;	2000US-0246525.
PR	08-NOV-2000;	2000US-0246526.
PR	08-NOV-2000;	2000US-024652



XX SQ Sequence 2957 BP; 1168 A; 665 C; 556 G; 568 T; 0 other;  
Query Match 58.2%; Score 19.2; DB 23; Length 2957;  
Best Local Similarity 75.0%; Pred. No. 3.4e+02;  
Matches 24; Conservative 0; Mismatches 8; Indels 0; Gaps 0;  
QY 1 GTTGTACAGCAGCGCGCTCTCCCAAGTGT 32  
DB 2197 GGTATCAGCAGCGGTGGCTCTCCCTCATCTGT 2166  
Query Match 58.2%; Score 19.2; DB 23; Length 4114;  
Best Local Similarity 75.0%; Pred. No. 3.6e+02;  
Matches 24; Conservative 0; Mismatches 8; Indels 0; Gaps 0;  
QY 1 GTTGTACAGCAGCGCGCTCTCCCAAGTGT 32  
DB 938 GGTATCAGCAGCGGTGGCTCTCCCTCATCTGT 907  
Search completed: August 28, 2003, 13:38:45  
Job time : 183.14 secs

RESULT 15  
AAS77062/c  
ID AAS77062 standard; cDNA; 4114 BP.  
XX AC AAS77062;  
XX DT 13-FEB-2002 (first entry)  
XX DE DNA encoding novel human diagnostic protein #12866.  
XX KW Human; chromosome/mapping; gene mapping; gene therapy; forensic;  
KW food supplement; medical imaging; diagnostic; genetic disorder; ss.  
XX OS Homo sapiens.  
XX PN WO200175067-A2.  
XX PD 11-OCT-2001.  
XX PF 30-MAR-2001; 2001WO-US08631.  
XX PR 31-MAR-2000; 2000US-0540217.  
XX PR 23-AUG-2000; 2000US-0649167.  
XX PA (HYSE-) HYSEQ INC.  
XX PI Drmanac RT, Liu C, Tang YT;  
XX WP1; 2001-639362/73.  
XX P-PSDB; ABG12875.  
XX PT New isolated polynucleotide and encoded polypeptides, useful in  
PT diagnostics, forensics, gene mapping, identification of mutations  
PT responsible for genetic disorders or other traits and to assess  
PT biodiversity  
XX Claim 1; SEQ ID No 12866; 103pp; English.  
XX The invention relates to isolated polynucleotide (I) and  
CC polypeptide (II) sequences. (I) is useful as hybridisation probes,  
CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome  
CC and gene mapping, and in recombinant production of (II). The  
CC polynucleotides are also used in diagnostics as expressed sequence tags  
CC for identifying expressed genes. (I) is useful in gene therapy techniques  
CC to restore normal activity of (II) or to treat disease states involving  
CC (II). (II) is useful for generating antibodies against it, detecting or  
CC quantitating a polypeptide in tissue, as molecular weight markers and as  
CC a food supplement. (II) and its binding partners are useful in medical  
CC imaging of sites expressing (II). (I) and (II) are useful for treating  
CC disorders involving aberrant protein expression or biological activity.  
CC The polypeptide and polynucleotide sequences have applications in  
CC diagnostics, forensics, gene mapping, identification of mutations  
CC responsible for genetic disorders or other traits to assess biodiversity  
CC and to produce other types of data and products dependent on DNA and  
CC amino acid sequences. AAS64197-AAS94564 represent novel human  
CC diagnostic coding sequences of the invention.  
CC Note: The sequence data for this patent did not appear in the printed  
CC specification, but was obtained in electronic format directly from WIPO  
CC at ftp.wip2.int/pub/published\_pct\_sequences.  
XX SQ Sequence 4114 BP; 1438 A; 951 C; 808 G; 917 T; 0 other;

GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: August 28, 2003, 12:51:16 ; Search time 48.2791 Seconds  
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329.124 Million cell updates/sec

Title: US-10-054-444-2

Perfect score: 36

Sequence: 1 taacttcgcccgcacatgatcacagaggattg 36

Scoring table: IDENTITY NUC

Gap 10.0, Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.\*

- 1: /cgn2\_6/ptodata/2/ina/5A\_COMB.seq.\*
- 2: /cgn2\_6/ptodata/2/ina/5B\_COMB.seq.\*
- 3: /cgn2\_6/ptodata/2/ina/6A\_COMB.seq.\*
- 4: /cgn2\_6/ptodata/2/ina/6B\_COMB.seq.\*
- 5: /cgn2\_6/ptodata/2/ina/PCTUS\_COMB.seq.\*
- 6: /cgn2\_6/ptodata/2/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	18.8	52.2	54	3	US-08-444-818-219
2	18.8	52.2	54	3	US-08-444-818-224
3	18.8	52.2	54	3	US-08-444-818-753
4	18.8	52.2	54	6	5189019-9
5	18.6	51.7	11091	4	US-09-134-001C-2243
6	18.4	51.1	833	4	US-09-620-312D-440
7	18.4	51.1	1377	5	PCT-US91-02954-2
8	18.4	51.1	1742	3	US-08-466-368-3
9	18.4	51.1	1742	4	US-08-470-998-1
10	18.4	51.1	1742	4	US-08-517-605-7
11	18.2	50.6	3894	4	US-09-107-532A-898
12	17.8	49.4	277	3	US-09-328-111-224
13	17.6	48.9	53	1	US-08-287-075-4
14	17.6	48.9	378	4	US-09-295-996B-3
15	17.6	48.9	378	4	US-09-295-946B-3
16	17.6	48.9	378	4	US-09-551-737C-3
17	17.6	48.9	2466	4	US-09-266-965-83
18	17.6	48.9	3379	4	US-09-489-847-27
19	17.6	48.9	11663	1	US-08-446-932-1
20	17.6	48.9	11663	1	US-08-801-263A-1
21	17.6	48.9	11663	1	US-08-801-263A-7
22	17.6	48.9	11663	3	US-09-102-248-1
23	17.6	48.9	11663	3	US-09-102-248-7
24	17.6	48.9	11663	4	US-09-367-764-1
25	17.6	48.9	11663	4	US-09-367-764-7
26	17.6	48.9	18034	4	US-09-266-965-75
27	17.4	48.3	835	3	US-08-998-416-326

C	28	17.4	48.3	1326	4	US-09-328-352-2243	Sequence 2243, Ap
	29	17.4	48.3	1872	4	US-09-291-922-27	Sequence 27, Appl
	30	17.4	48.3	3196	4	US-09-704-449-1	Sequence 1, Appli
	31	17.4	48.3	9461	4	US-09-221-017B-513	Sequence 513, App
	32	17.4	48.3	116592	4	US-09-818-512-3	Sequence 3, Appli
	33	17.4	48.3	4403765	3	US-09-103-840A-2	Sequence 2, Appli
	34	17.4	48.3	4411529	3	US-09-103-840A-1	Sequence 1, Appli
	35	17.2	47.8	360	3	US-09-155-036-9	Sequence 9, Appli
	36	17.2	47.8	1338	4	US-09-252-991A-7783	Sequence 7783, Ap
	37	17.2	47.8	1586	3	US-09-155-036-19	Sequence 19, Appl
	38	17.2	47.8	1597	3	US-09-155-036-20	Sequence 20, Appl
	39	17.2	47.8	1598	3	US-09-155-036-18	Sequence 18, Appl
	40	17.2	47.8	1633	3	US-09-155-036-17	Sequence 17, Appl
	41	17.2	47.8	1674	3	US-09-155-036-21	Sequence 21, Appl
	42	17.2	47.8	1675	4	US-09-329-535-1	Sequence 1, Appli
	43	17.2	47.8	1679	4	US-09-620-312D-997	Sequence 997, App
	44	17.2	47.8	1808	3	US-09-155-036-3	Sequence 3, Appli
	45	17.2	47.8	1846	3	US-09-155-036-4	Sequence 4, Appli

#### ALIGNMENTS

RESULT 1  
US-08-444-818-219  
; Sequence 219, Application US/08444818  
; Patent No. 6150087  
; GENERAL INFORMATION:  
; APPLICANT: Chien, David Y.  
; APPLICANT: Ruster, William J.  
; TITLE OF INVENTION: NANEV Diagnostics and Vaccines  
; NUMBER OF SEQUENCES: 777  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Chiron Corporation  
; STREET: 4560 Horton Street  
; CITY: Emeryville  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94608-2916  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/444,818  
; FILING DATE:  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/403,590  
; FILING DATE: 14-MAR-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Harbin, Alisa A.  
; REGISTRATION NUMBER: 33,895  
; REFERENCE/DOCKET NUMBER: 0110.002  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (508)359-3876  
; TELEFAX: (508)359-3885  
; INFORMATION FOR SEQ ID NO: 219:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 54 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "oligo dT-primer adapter"  
US-08-444-818-219

Query Match 52.2%; Score 18.8; DB 3; Length 54;  
Best Local Similarity 76.7%; Pred. No. 21;  
Matches 23; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 4 ACTTCGCGCCGCATATGACACAGGAC 33

Db  
1 AATTGCGGGCCCATACGATTAGGTGAC 30

## RESULT 2

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US-08-444-818-224
; Sequence 224, Application US/08444818
; Patent No. 6150087
; GENERAL INFORMATION:
; APPLICANT: Chien, David Y.
; APPLICANT: Rutter, William J.
; TITLE OF INVENTION: NANBV Diagnostics and Vaccines
; NUMBER OF SEQUENCES: 777
; CORRESPONDENCE ADDRESS:
;

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ADDRESSEE: Chiron Corporation  
STREET: 4560 Horton Street  
CITY: Emeryville  
STATE: CA

COUNTRY: USA  
ZIP: 94608-2916

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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentrin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/444,818
; FILING DATE:
; CLASSIFICATION: 424
;
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PRIOR APPLICATION DATA: US/08/403,590  
APPLICATION NUMBER: 14-MAR-1995  
FILING DATE: ATTORNEY/AGENT INFORMATION:

ATTORNEY/AGENCY INFORMATION:  
; NAME: Harbin, Alisa A.  
; REGISTRATION NUMBER: 33,895

```

REFERENCE/DOCKET NUMBER: 0110.002
TELECOMMUNICATION INFORMATION:
TELEPHONE: (508)359-3876
TELEFAX: (508)359-3885
INFORMATION FOR SEQ ID NO: 224:
SEQUENCE CHARACTERISTICS:
LENGTH: 54 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "dt-primer adapter"
US-08-444-818-224

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US-08-444-818-224

Query Match 52.2%: score 1

Query Match 32.2%; score 1  
Best Local Similarity 76.7%; Pred. N  
Matches 23; Conservative 0; Mism

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Dd	1	AATTCCGGCGGCCCATAGCTTTAGGTGAC	30							
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US-08-444-818-753										
:	Sequence	753,	Application	US/08444818						

05-00-44-020-733 ; Sequence 753, Application US/08444818 ; Patent No. 6150087

; PATENT NO. 0150007  
; GENERAL INFORMATION:  
; APPLICANT: Chien, David Y.

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: APPLICANT: Rutter, William J
: TITLE OF INVENTION: NANBV Diagnostics and Vaccines
:
: NUMBER OF SEQUENCES: 777
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Chiron Corporation
: STREET: 4560 Horton Street
: CITY: Emeryville
: STATE: CA
: COUNTRY: USA
:

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CONTINUED



PRIOR APPLICATION NUMBER: US 60/064,964  
PRIOR FILING DATE: 1997-11-08  
PRIOR APPLICATION NUMBER: US 60/055,779  
PRIOR FILING DATE: 1997-08-14  
NUMBER OF SEQ ID NOS: 5674  
SEQ ID NO 2243  
LENGTH: 11091  
TYPE: DNA  
ORGANISM: Staphylococcus epidermidis  
US-09-134-001C-2243

Query Match 51.7%; Score 18.6; DB 4; Length 11091;  
Best Local Similarity 72.7%; Pred. No. 58;  
Matches 24; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

Qy 3 AACTTCGCGCGCCATATGACACAGAGGACTT 35  
Db 1282 AACTTCGCGCGCCATATGACACAGAGGACTT 1314

RESULT 6  
US-09-620-312D-440/c  
Sequence 440, Application US/09620312D  
Patent No. 6569662  
GENERAL INFORMATION:  
APPLICANT: Tang, Y. Tom  
APPLICANT: Liu, Chenghua  
APPLICANT: Asundi, Vinod  
APPLICANT: Zhang, Jie  
APPLICANT: Ren, Feiyuan  
APPLICANT: Chen, Rui-hong  
APPLICANT: Zhao, Qing A.  
APPLICANT: Wehrman, Tom  
APPLICANT: Xue, Aidong J.  
APPLICANT: Yang, Yonghong  
APPLICANT: Wang, Jian-Rui  
APPLICANT: Zhou, Ping  
APPLICANT: Ma, Yundong  
APPLICANT: Wang, Dunrui  
APPLICANT: Wang, Zhiwei  
APPLICANT: John Tillinghast  
APPLICANT: Drmanac, Radoje T.  
TITLE OF INVENTION: No. 6569662el Nucleic Acids and  
FILE REFERENCE: 784CIP2B  
CURRENT APPLICATION NUMBER: US/09/620,312D  
CURRENT FILING DATE: 2000-07-19  
PRIOR APPLICATION NUMBER: 09/552,317  
PRIOR FILING DATE: 2000-04-25  
PRIOR APPLICATION NUMBER: 09/488,725  
PRIOR FILING DATE: 2000-01-21  
NUMBER OF SEQ ID NOS: 1105  
SOFTWARE: pt\_FL\_genes Version 1.0  
SEQ ID NO 440  
LENGTH: 833  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (258)..(467)  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (1)...(833)  
OTHER INFORMATION: n = a,t,c or g  
US-09-620-312D-440

Query Match 51.1%; Score 18.4; DB 4; Length 833;  
Best Local Similarity 78.6%; Pred. No. 48;  
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 7 TCGCGCGCGCCATATGACACAGGACT 34  
Db 390 TCGCGCGCGCCAAACACACCGGGCT 363

RESULT 7  
PCT-US91-02954-2/c  
Sequence 2, Application PC/TUS9102954  
GENERAL INFORMATION:  
APPLICANT: PEPINSKY, R. BLAKE  
APPLICANT: ROSA, MARGARET D.  
APPLICANT: STOSSEL, THOMAS P.  
TITLE OF INVENTION: MULTIMERIC GELSOLIN FUSION CONSTRUCTS  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: FISH & NEAVE  
STREET: 875 Third Avenue  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10022  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US91/02954  
FILING DATE: 19910503  
CLASSIFICATION: 436  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/520,368  
FILING DATE: 04-MAY-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: Haley Jr., James F.  
REGISTRATION NUMBER: 27,794  
REFERENCE/DOCKET NUMBER: B144CIP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 715-0600  
TELEFAX: (212) 715-0634  
TELEX: 14-8367  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1377 base pairs  
TYPE: NUCLEIC ACID  
STRANDEDNESS: double  
TOPOLOGY: linear  
PCT-US91-02954-2

Query Match 51.1%; Score 18.4; DB 5; Length 1377;  
Best Local Similarity 78.6%; Pred. No. 52;  
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 5 CTTTCGCGCGCCATATGACACAGGGA 32  
Db 1277 CTTTCGCGCGCCATATGACACAGGGA 1250

RESULT 8  
US-08-466-368-3/c  
Sequence 3, Application US/08466368  
Patent No. 6093539  
GENERAL INFORMATION:  
APPLICANT: Maddon, Paul J.  
APPLICANT: Littman, Dan R.  
APPLICANT: Chess, Leonard  
APPLICANT: Axel, Richard  
APPLICANT: Weiss, Robin  
APPLICANT: McDougal, J. S.  
TITLE OF INVENTION: DNA ENCODING THE T CELL SURFACE PROTEIN  
TITLE OF INVENTION: T4 AND USE OF FRAGMENTS OF T4 IN THE TREATMENT OF AIDS  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Cooper & Dunham LLP  
STREET: 1185 Avenue of Americas  
CITY: New York

```

; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/466,368
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 24577-E1-B/JPM/AKC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-278-0400
; TELEFAX: 212-391-0525
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1742 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 76..1449
; US-08-466-368-3

Query Match 51.1%; Score 18.4; DB 3; Length 1742;
Best Local Similarity 78.6%; Pred. No. 54;
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 5 CTTCGCGCGCCCATATGACACAGGA 32
Db 1352 CTTCGGTCCGCGCACCTTGACACAGA 1325

RESULT 9
US-09-517-605-7/c
; Sequence 7, Application US/09517605
; Patent No. 6391567
; GENERAL INFORMATION:
; APPLICANT: Littman, Dan R.
; APPLICANT: Kwon, Douglas S.
; APPLICANT: van Kooyk, Yvette
; APPLICANT: Geitzenbeck, Tneo
; TITLE OF INVENTION: METHODS OF USING A FACILITATOR OF RETROVIRAL ENTRY INTO
; FILE OF INVENTION: CELLS
; FILE REFERENCE: 1049-1-017
; CURRENT APPLICATION NUMBER: US/09/517,605
; CURRENT FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 1742
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-517-605-7

Query Match 51.1%; Score 18.4; DB 4; Length 1742;
Best Local Similarity 78.6%; Pred. No. 54;
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 5 CTTCGCGCGCCCATATGACACAGGA 32
Db 1352 CTTCGGTCCGCGCACCTTGACACAGA 1325

RESULT 10
US-08-470-998-1/c

; Sequence 1, Application US/08470998
; Patent No. 6570000
; GENERAL INFORMATION:
; APPLICANT: Maddon, Paul J.
; APPLICANT: Littman, Dan R.
; APPLICANT: Chess, Leonard
; APPLICANT: Axel, Richard
; APPLICANT: Weiss, Robin
; APPLICANT: McDougal, J. S.
; TITLE OF INVENTION: DNA ENCODING THE T CELL SURFACE PROTEIN
; T4 AND USE OF FRAGMENTS OF T4 IN THE TREATMENT OF AIDS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/470,998
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 24577-F1-B/JPM/AKC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-278-0400
; TELEFAX: 212-391-0525
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1742 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: YES
; ANTI-SENSE: YES
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 76..1449
; US-08-470-998-1

Query Match 51.1%; Score 18.4; DB 4; Length 1742;
Best Local Similarity 78.6%; Pred. No. 54;
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 5 CTTCGCGCGCCCATATGACACAGGA 32
Db 1352 CTTCGGTCCGCGCACCTTGACACAGA 1325

RESULT 11
US-09-107-532A-898
; Sequence 898, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A. Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
```

```
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 898:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3894 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1..3894
; SEQUENCE DESCRIPTION: SEQ ID NO: 898:
US-09-107-532A-898

Query Match 50.6%; Score 18.2; DB 4; Length 3894;
Best Local Similarity 87.0%; Pred. No. 74;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 14 CGCCATATGACAGAGACTTG 36
Db 356 CGCCATATGACGAGAGACTTG 378

RESULT 12
US-09-328-111-224
; Sequence 224, Application US/09328111
; Patent No. 6262333
; GENERAL INFORMATION:
; APPLICANT: Endege, Wilson O.
; APPLICANT: Steinmann, Kathleen E.
; APPLICANT: Astle, Jon H.
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Bushnell, Steven E.
; APPLICANT: Carroll III, Eddie
; APPLICANT: Catino, Theodore J.
; APPLICANT: Derti, Adnan
; APPLICANT: Ford, Donna M.
; APPLICANT: Lewis, Marcia E.
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; TITLE OF INVENTION: PRODUCTS
; FILE REFERENCE: CCD-257 (US)
; CURRENT APPLICATION NUMBER: US/09/328,111
; CURRENT FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: US 60/088,801
; EARLIER FILING DATE: 1998-06-10
; NUMBER OF SEQ ID NOS: 850
; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 224
; LENGTH: 277
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-328-111-224

Query Match 49.4%; Score 17.8; DB 3; Length 277;
Best Local Similarity 75.9%; Pred. No. 74;
Matches 22; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 8 CGCGGGCGCCATATGACAGAGACTTG 36
Db 67 CGCGGGCGCCAGATGGGAAGACACTG 95

RESULT 13
US-08-287-075-4
; Sequence 4, Application US/08287075
; Patent No. 5656462
; GENERAL INFORMATION:
; APPLICANT: Keller, Cylia
; APPLICANT: Mitsuhashi, Masato
; APPLICANT: Akitava, Tatsuo
; TITLE OF INVENTION: POLYNUCLEOTIDE IMMOBILIZED SUPPORT
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: KNOBBE, MARTENS, OLSON, AND BEAR
; STREET: 620 NEWPORT CENTER DRIVE SIXTEENTH FLOOR
; CITY: NEWPORT BEACH
; STATE: CA
; COUNTRY: USA
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE:
; APPLICATION NUMBER: US/08/287,075
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/827,975
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Altman, Daniel E
; REGISTRATION NUMBER: 34,115
; REFERENCE/DOCKET NUMBER: HITACHI.002A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 714-760-0404
; TELEFAX: 714-760-9502
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 53 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: 53-MER OLIGO CONTAINING ECOR1, NOTI, AND T7
; ORGANISM: PROMOTER
US-08-287-075-4

Query Match 48.9%; Score 17.6; DB 1; Length 53;
Best Local Similarity 83.3%; Pred. No. 69;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 4 ACTTCGGCGCCGATATGACACA 27
Db 6 AATTCGGCGCCGATATGACACA 29
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Search completed: August 28, 2003, 16:15:24  
Job time : 53.2791 secs

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: August 28, 2003, 12:51:16 ; Search time 42.9147 Seconds  
(without alignments)  
329.124 Million cell updates/sec

Title: US-10-054-444-1

Perfect score: 32

Sequence: 1 aggactcgagtgaaattgccgcgcgtgaag 32

Scoring table: IDENTITY NUC

Gapop 10.0, Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.\*  
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2: /cgn2\_6/ptodata/2/ina/5B.COMB.seq.\*  
3: /cgn2\_6/ptodata/2/ina/6A.COMB.seq.\*  
4: /cgn2\_6/ptodata/2/ina/6B.COMB.seq.\*  
5: /cgn2\_6/ptodata/2/ina/PCTUS.COMB.seq.\*  
6: /cgn2\_6/ptodata/2/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	23	71.9	418	3	US-08-300-928C-1
2	23	71.9	418	3	US-08-430-944D-1
3	23	71.9	418	3	US-08-430-014-1
4	23	71.9	418	3	US-08-431-184-1
5	23	71.9	420	3	US-08-300-928C-3
6	23	71.9	420	3	US-08-430-944D-3
7	23	71.9	420	3	US-08-430-014-3
8	23	71.9	420	3	US-08-431-184-3
9	23	71.9	422	1	US-07-807-529A-1
10	23	71.9	422	5	PCT-US93-02462-1
11	23	71.9	428	1	US-07-807-529A-3
12	23	71.9	428	5	PCT-US93-02462-3
13	18.2	56.9	2120	4	US-09-149-476-160
14	18.2	56.9	3823	4	US-09-542-250C-1
15	18	56.2	12284	2	US-08-876-991-1
16	18	56.2	12284	2	US-09-059-853-1
17	17.8	55.6	43069	4	US-09-292-542A-1
18	17.6	55.0	3275	4	US-09-370-838-151
19	17.6	55.0	3441	2	US-08-742-753-1
20	17.4	54.4	933	4	US-09-671-317-145
21	17.4	54.4	3348	1	US-08-222-616-35
22	17.4	54.4	3348	4	US-08-446-648-35
23	17.4	54.4	3348	5	PCT-US95-04228-35
24	17.4	54.4	5091	4	US-08-469-260A-668
25	17.4	54.4	5091	4	US-08-488-446-668
26	17.4	54.4	5091	4	US-08-467-344A-668
27	17.4	54.4	9034	4	US-08-469-260A-397

Sequence 397, App  
Sequence 397, App  
Sequence 1, Appli  
Sequence 26, Appli  
Sequence 3, Appli  
Sequence 4368, Ap  
Sequence 811, App  
Sequence 61, Appl  
Sequence 3, Appli  
Sequence 97, Appl  
Sequence 39, Appl  
Sequence 13, Appl  
Sequence 11, Appl  
Sequence 11, Appl  
Sequence 10, Appl  
Sequence 10, Appl

#### ALIGNMENTS

RESULT 1  
US-08-300-928C-1  
; Sequence 1, Application US/08300928C  
; Patent No. 6019972  
; GENERAL INFORMATION:  
; APPLICANT: GEFTER, Malcolm L. et al.  
; TITLE OF INVENTION: PEPTIDES FOR HUMAN T CELL REACTIVE FELINE  
; TITLE OF INVENTION: PROTEIN (TRFP)  
; NUMBER OF SEQUENCES: 101  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: IMMULOGIC PHARMACEUTICAL CORPORATION  
; STREET: 610 LINCOLN STREET  
; CITY: WALTHAM  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02145

COMPUTER READABLE FORM:  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII text

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/300,928C  
FILING DATE: September 2, 1994

CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/807,529  
FILING DATE: December 13, 1991

CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: AMY E. MANDRAGOURAS  
REGISTRATION NUMBER: 36,207  
REFERENCE/DOCKET NUMBER: 002.6US (IMI-044)

TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 227-7400  
TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 418 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 2..283  
US-08-300-928C-1

Query Match 71.9%; Score 23; DB 3; Length 418;  
Best Local Similarity 100.0%; Pred. No. 0.032;

Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 GTGAAATTTGCCAGCGGTGAAG 32  
| | | | | | | | | | | | | | | | | | | | | |  
Db 72 GTGAAATTTGCCAGCGGTGAAG 94

## RESULT 2

US-08-430-944D-1  
; Sequence 1, Application US/08430944D  
; Patent No. 6025162  
; GENERAL INFORMATION:  
; APPLICANT: Bruce L. Rogers et al.  
; TITLE OF INVENTION: A HUMAN T CELL REACTIVE FELINE PROTEIN  
; NUMBER OF SEQUENCES: 103  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LAHIVE & COCKFIELD, LLP  
; STREET: 28 State Street  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02109

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/430,944D  
; FILING DATE: 28-APR-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/430,014  
; FILING DATE: 27-APR-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/300,928  
; FILING DATE: 02-SEPT-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Amy E. Mandragouras  
; REGISTRATION NUMBER: 36,207  
; REFERENCE/DOCKET NUMBER: IMI-044DV2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 742-4214

INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 418 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 2..283  
; FEATURE:  
; NAME/KEY: mat\_peptide  
; LOCATION: 74..283

US-08-430-944D-1  
Query Match 71.9%; Score 23; DB 3; Length 418;  
Best Local Similarity 100.0%; Pred. No. 0.032;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 GTGAAATTTGCCAGCGGTGAAG 32  
| | | | | | | | | | | | | | | | | | | | | |  
Db 72 GTGAAATTTGCCAGCGGTGAAG 94

## RESULT 3

US-08-430-014-1  
; Sequence 1, Application US/08430014  
; Patent No. 6048862  
; GENERAL INFORMATION:

; APPLICANT: GEFTER, Malcolm L. et al.  
; TITLE OF INVENTION: PEPTIDES FOR HUMAN T CELL REACTIVE FELINE  
; NUMBER OF SEQUENCES: 101  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: IMMUNOLOGIC PHARMACEUTICAL CORPORATION  
; STREET: 610 LINCOLN STREET  
; CITY: WALTHAM  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02145

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/430,014  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/300,928  
; FILING DATE:  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: AMY E. MANDRAGOURAS  
; REGISTRATION NUMBER: 36,207  
; REFERENCE/DOCKET NUMBER: 002.6US (IMI-044)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 418 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 2..283  
; US-08-430-014-1

Query Match 71.9%; Score 23; DB 3; Length 418;  
Best Local Similarity 100.0%; Pred. No. 0.032;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 GTGAAATTTGCCAGCGGTGAAG 32  
| | | | | | | | | | | | | | | | | | | | | |  
Db 72 GTGAAATTTGCCAGCGGTGAAG 94

## RESULT 4

US-08-431-184-1  
; Sequence 1, Application US/08431184  
; Patent No. 6120769  
; GENERAL INFORMATION:  
; APPLICANT: Bruce L. Rogers et al.  
; TITLE OF INVENTION: A HUMAN T CELL REACTIVE FELINE PROTEIN  
; NUMBER OF SEQUENCES: 103  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LAHIVE & COCKFIELD, LLP  
; STREET: 28 State Street  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02109

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25

;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/431,184  
;; FILING DATE: 28-APR-1995  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US 08/430,014  
;; FILING DATE: 27-APR-1995  
;; PRIOR APPLICATION DATA: US 08/300,928  
;; FILING DATE: 02-SEPT-1994  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Amy E. Mandragouras  
;; REGISTRATION NUMBER: 36,207  
;; REFERENCE/DOCKET NUMBER: IMI-044DV3  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (617)227-7400  
;; TELEFAX: (617)742-4214  
;; INFORMATION FOR SEQ ID NO: 1:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 418 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: cdna  
;; FEATURE:  
;; NAME/KEY: CDS  
;; LOCATION: 2..283  
;; NAME/KEY: mat\_peptide  
;; LOCATION: 74..283  
;; US-08-431-184-1

Query Match 71.9%; Score 23; DB 3; Length 418;  
Best Local Similarity 100.0%; Pred. No. 0.032;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 GTGAAATTTGCCAGCGTGAAG 32  
Db 72 GTGAAATTTGCCAGCGTGAAG 94

RESULT 5  
US-08-300-928C-3  
; Sequence 3, Application US/08300928C  
; Patent No. 6019972  
; GENERAL INFORMATION:  
; APPLICANT: GEFTER, Malcolm L. et al.  
; TITLE OF INVENTION: PEPTIDES FOR HUMAN T CELL REACTIVE FELINE  
; TITLE OF INVENTION: PROTEIN (TRFP)  
; NUMBER OF SEQUENCES: 101  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: IMMUNOLOGIC PHARMACEUTICAL CORPORATION  
; STREET: 610 LINCOLN STREET  
; CITY: WALTHAM  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02145  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/300,928C  
; FILING DATE: September 2, 1994  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/807,529  
; FILING DATE: December 13, 1991  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: AMY E. MANDRAGOURAS  
; REGISTRATION NUMBER: 36,207  
; REFERENCE/DOCKET NUMBER: 002.6US (IMI-044)

;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (617) 227-7400  
;; TELEFAX: (617) 227-5941  
;; INFORMATION FOR SEQ ID NO: 3:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 420 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: cdna  
;; FEATURE:  
;; NAME/KEY: CDS  
;; LOCATION: 2..301  
;; US-08-300-928C-3

Query Match 71.9%; Score 23; DB 3; Length 420;  
Best Local Similarity 100.0%; Pred. No. 0.032;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 GTGAAATTTGCCAGCGTGAAG 32  
Db 78 GTGAAATTTGCCAGCGTGAAG 100

RESULT 6  
US-08-430-944D-3  
; Sequence 3, Application US/08430944D  
; Patent No. 6025162  
; GENERAL INFORMATION:  
; APPLICANT: Bruce L. Rogers et al.  
; TITLE OF INVENTION: A HUMAN T CELL REACTIVE FELINE PROTEIN  
; TITLE OF INVENTION:  
; NUMBER OF SEQUENCES: 103  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LAHIVE & COCKFIELD, LLP  
; STREET: 28 State Street  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/430,944D  
; FILING DATE: 28-APR-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/430,014  
; FILING DATE: 27-APR-1995  
; APPLICATION DATA:  
; APPLICATION NUMBER: US 08/300,928  
; FILING DATE: 02-SEPT-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Amy E. Mandragouras  
; REGISTRATION NUMBER: 36,207  
; REFERENCE/DOCKET NUMBER: IMI-044DV2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617)227-7400  
; TELEFAX: (617)742-4214  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 420 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cdna  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 2..289  
; FEATURE:  
; NAME/KEY: mat\_peptide

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; LOCATION: 80..289
US-08-430-944D-3

Query Match
Best Local Similarity 71.9%; Score 23; DB 3; Length 420;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 GTGAAATTGCCAGCGGTGAAG 32
Db 78 GTGAAATTGCCAGCGGTGAAG 100

RESULT 7
US-08-430-014-3
; Sequence 3, Application US/08430014
; Patent No. 6048962
; GENERAL INFORMATION:
; APPLICANT: GEFTER, Malcolm L. et al.
; TITLE OF INVENTION: PEPTIDES FOR HUMAN T CELL REACTIVE FELINE
; CORRESPONDENCE ADDRESS:
; NUMBER OF SEQUENCES: 101
; FILING DATE: 28-APR-1995
; APPLICATION NUMBER: US/08/431,184
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/430,014
; FILING DATE: 27-APR-1995
; APPLICATION NUMBER: US 08/300,928
; FILING DATE: 02-SEPT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragouras
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: IMI-044DV3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 420 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 2..301
; US-08-430-014-3

Query Match
Best Local Similarity 71.9%; Score 23; DB 3; Length 420;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 GTGAAATTGCCAGCGGTGAAG 32
Db 78 GTGAAATTGCCAGCGGTGAAG 100

RESULT 8
US-08-431-184-3
; Sequence 3, Application US/08431184
; Patent No. 6120769
; GENERAL INFORMATION:
; APPLICANT: Bruce L. Rogers et al.
; TITLE OF INVENTION: A HUMAN T CELL REACTIVE FELINE PROTEIN
; NUMBER OF SEQUENCES: 103
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/431,184
; FILING DATE: 28-APR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/430,014
; FILING DATE: 27-APR-1995
; APPLICATION NUMBER: US 08/300,928
; FILING DATE: 02-SEPT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragouras
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: IMI-044DV3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 420 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 80..289
; US-08-431-184-3

Query Match
Best Local Similarity 71.9%; Score 23; DB 3; Length 420;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 GTGAAATTGCCAGCGGTGAAG 32
Db 78 GTGAAATTGCCAGCGGTGAAG 100

RESULT 9
US-07-807-529A-1
; Sequence 1, Application US/07807529A
; Patent No. 5547669
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce L.
; APPLICANT: Morgenstern, Jay
; APPLICANT: Bond, Julian F.
; APPLICANT: Garman, Richard D.
; APPLICANT: Greenstein, Julia L.
; APPLICANT: Kuo, Mei-chang
; APPLICANT: Morville, Malcolm
; TITLE OF INVENTION: RECOMBITOPE PEPTIDES
; NUMBER OF SEQUENCES: 76
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: IMMULOGIC PHARMACEUTICAL CORPORATION
```



STREET: One Kendall Square, Building 600  
CITY: Cambridge  
STATE: MA  
COUNTRY: USA  
ZIP: 02139  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII TEXT  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/807,529A  
FILING DATE: 19911213  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/662,276  
FILING DATE: 28-FEB-1991  
APPLICATION NUMBER: US 07/431,565  
FILING DATE: 03-NOV-1989  
ATTORNEY/AGENT INFORMATION:  
NAME: Channing, Stacey L.  
REGISTRATION NUMBER: 31,095  
REFERENCE/DOCKET NUMBER: IPC-027/imi-015  
TELEPHONE: (617) 494-0060  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 422 base pairs  
TYPE: NUCLEIC ACID  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: CDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 8..286  
FEATURE:  
NAME/KEY: mat\_peptide  
LOCATION: 74..286  
US-07-807-529A-1

Query Match 71.9%; Score 23; DB 1; Length 422;  
Best Local Similarity 100.0%; Pred. No. 0.032;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 GTGAAATTTGCCAGCCGTGAAG 32  
|||||  
Db 72 GTGAAATTTGCCAGCCGTGAAG 94

RESULT 10  
PCT-US93-02462-1  
Sequence 1, Application PC/TUS9302462  
GENERAL INFORMATION:  
APPLICANT: Gelfer, Malcolm L.  
APPLICANT: Garman, Richard D.  
APPLICANT: Greenstein, Julia L.  
APPLICANT: Kuo, Mei-chang  
APPLICANT: Briner, Thomas J.  
APPLICANT: Morville, Malcolm  
TITLE OF INVENTION: PEPTIDES USEFUL FOR TOLERIZATION  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: LAHIVE & COCKFIELD  
STREET: 60 State Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII TEXT

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US93/02462  
FILING DATE: 19930325  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/006,116  
FILING DATE: 15-JAN-1993  
APPLICATION NUMBER: US 07/894,718  
FILING DATE: 15-MAY-1992  
APPLICATION NUMBER: 07/857,311  
FILING DATE: 25-MAR-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Mandragouras, Amy E.  
REGISTRATION NUMBER: 36,207  
REFERENCE/DOCKET NUMBER: IPC-031PC  
TELEPHONE: (617) 227-7400  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 422 base pairs  
TYPE: NUCLEIC ACID  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: CDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 8..286  
FEATURE:  
NAME/KEY: mat\_peptide  
LOCATION: 74..286  
PCT-US93-02462-1

Query Match 71.9%; Score 23; DB 5; Length 422;  
Best Local Similarity 100.0%; Pred. No. 0.032;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 GTGAAATTTGCCAGCCGTGAAG 32  
|||||  
Db 72 GTGAAATTTGCCAGCCGTGAAG 94

RESULT 11  
US-07-807-529A-3  
Sequence 3, Application US/07807529A  
Patent No. 5547669  
GENERAL INFORMATION:  
APPLICANT: Rogers, Bruce L.  
APPLICANT: Morgenstern, Jay  
APPLICANT: Bond, Julian F.  
APPLICANT: Garman, Richard D.  
APPLICANT: Greenstein, Julia L.  
APPLICANT: Kuo, Mei-chang  
APPLICANT: Morville, Malcolm  
TITLE OF INVENTION: RECOMBINANT PEPTIDES  
NUMBER OF SEQUENCES: 76  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: IMMULOGIC PHARMACEUTICAL CORPORATION  
STREET: One Kendall Square, Building 600  
CITY: Cambridge  
STATE: MA  
COUNTRY: USA  
ZIP: 02139  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII TEXT  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/807,529A  
FILING DATE: 19911213  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/662,276

;; FILING DATE: 28-FEB-1991  
;; APPLICATION NUMBER: US 07/431,565  
;; FILING DATE: 03-NOV-1989  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Channing, Stacey L.  
;; REGISTRATION NUMBER: 31,095  
;; REFERENCE/DOCKET NUMBER: IPC-027/im1-015  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (617) 494-0060  
;; INFORMATION FOR SEQ ID NO: 3:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 428 base pairs  
;; TYPE: NUCLEIC ACID  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: cDNA  
;; FEATURE:  
;; NAME/KEY: mat\_peptide  
;; LOCATION: 80..292  
;; NAME/KEY: CDS  
;; LOCATION: 26..292  
;; PCT-US93-02462-3

Query Match 71.9%; Score 23; DB 1; Length 428;  
Best Local Similarity 100.0%; Pred. No. 0.032;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 10 GTGAAATTTGCCAGCCGTGAAG 32  
DB 78 GTGAAATTTGCCAGCCGTGAAG 100

RESULT 12  
PCT-US93-02462-3  
;; Sequence 3, Application PC/TUS9302462  
;; GENERAL INFORMATION:  
;; APPLICANT: Gefter, Malcolm L.  
;; APPLICANT: Garman, Richard D.  
;; APPLICANT: Greenstein, Julia L.  
;; APPLICANT: Kuo, Mei-chang  
;; APPLICANT: Briner, Thomas J.  
;; APPLICANT: Morville, Malcolm  
;; TITLE OF INVENTION: PEPTIDES USEFUL FOR TOLERIZATION  
;; NUMBER OF SEQUENCES: 14  
;; CORRESPONDENCE ADDRESS:  
;; STREET: 60 State Street  
;; CITY: Boston  
;; STATE: MA  
;; COUNTRY: USA  
;; ZIP: 02109  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: ASCII TEXT  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: PCT/US93/02462  
;; FILING DATE: 19930325  
;; CLASSIFICATION:  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US 08/006,116  
;; FILING DATE: 15-JAN-1993  
;; APPLICATION NUMBER: US 07/884,718  
;; FILING DATE: 15-MAY-1992  
;; APPLICATION NUMBER: 07/857,311  
;; FILING DATE: 25-MAR-1992  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Mandragouras, Amy E.  
;; REGISTRATION NUMBER: 36,207  
;; REFERENCE/DOCKET NUMBER: IPC-031PC  
;; TELECOMMUNICATION INFORMATION:

;; TELEPHONE: (617) 227-7400  
;; INFORMATION FOR SEQ ID NO: 3:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 428 base pairs  
;; TYPE: NUCLEIC ACID  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: cDNA  
;; FEATURE:  
;; NAME/KEY: mat\_peptide  
;; LOCATION: 80..292  
;; NAME/KEY: CDS  
;; LOCATION: 26..292  
;; PCT-US93-02462-3

Query Match 71.9%; Score 23; DB 5; Length 428;  
Best Local Similarity 100.0%; Pred. No. 0.032;  
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 10 GTGAAATTTGCCAGCCGTGAAG 32  
DB 78 GTGAAATTTGCCAGCCGTGAAG 100

RESULT 13  
US-09-149-476-160  
;; Sequence 160, Application US/09149476  
;; Patent No. 6420526  
;; GENERAL INFORMATION:  
;; APPLICANT: Rosen et al.  
;; TITLE OF INVENTION: 186 Human Secreted proteins  
;; FILE REFERENCE: P2002P1  
;; CURRENT APPLICATION NUMBER: US/09/149,476  
;; CURRENT FILING DATE: 1998-09-08  
;; EARLIER APPLICATION NUMBER: PCT/US98/04493  
;; EARLIER FILING DATE: 1998-03-06  
;; EARLIER APPLICATION NUMBER: 60/040,162  
;; EARLIER FILING DATE: 1997-03-07  
;; EARLIER APPLICATION NUMBER: 60/040,333  
;; EARLIER FILING DATE: 1997-03-07  
;; EARLIER APPLICATION NUMBER: 60/038,621  
;; EARLIER FILING DATE: 1997-03-07  
;; EARLIER APPLICATION NUMBER: 60/040,626  
;; EARLIER FILING DATE: 1997-03-07  
;; EARLIER APPLICATION NUMBER: 60/040,334  
;; EARLIER FILING DATE: 1997-03-07  
;; EARLIER APPLICATION NUMBER: 60/040,336  
;; EARLIER FILING DATE: 1997-03-07  
;; EARLIER APPLICATION NUMBER: 60/040,163  
;; EARLIER FILING DATE: 1997-03-07  
;; EARLIER APPLICATION NUMBER: 60/047,600  
;; EARLIER FILING DATE: 1997-05-23  
;; EARLIER APPLICATION NUMBER: 60/047,615  
;; EARLIER FILING DATE: 1997-05-23  
;; EARLIER APPLICATION NUMBER: 60/047,597  
;; EARLIER FILING DATE: 1997-05-23  
;; EARLIER APPLICATION NUMBER: 60/047,502  
;; EARLIER FILING DATE: 1997-05-23  
;; EARLIER APPLICATION NUMBER: 60/047,633  
;; EARLIER FILING DATE: 1997-05-23  
;; EARLIER APPLICATION NUMBER: 60/047,583  
;; EARLIER FILING DATE: 1997-05-23  
;; EARLIER APPLICATION NUMBER: 60/047,617  
;; EARLIER FILING DATE: 1997-05-23  
;; EARLIER APPLICATION NUMBER: 60/047,618  
;; EARLIER FILING DATE: 1997-05-23  
;; EARLIER APPLICATION NUMBER: 60/047,503  
;; EARLIER FILING DATE: 1997-05-23  
;; EARLIER APPLICATION NUMBER: 60/047,592  
;; EARLIER FILING DATE: 1997-05-23  
;; EARLIER APPLICATION NUMBER: 60/047,581  
;; EARLIER FILING DATE: 1997-05-23

1	EARLIER FILING DATE: 1997-08-22	EARLIER APPLICATION NUMBER: 60/056,880
2	EARLIER FILING DATE: 1997-08-22	EARLIER APPLICATION NUMBER: 60/056,894
3	EARLIER FILING DATE: 1997-08-22	EARLIER APPLICATION NUMBER: 60/056,911
4	EARLIER FILING DATE: 1997-08-22	EARLIER APPLICATION NUMBER: 60/056,636
5	EARLIER FILING DATE: 1997-08-22	EARLIER APPLICATION NUMBER: 60/056,874
6	EARLIER FILING DATE: 1997-08-22	EARLIER APPLICATION NUMBER: 60/056,910
7	EARLIER FILING DATE: 1997-08-22	EARLIER APPLICATION NUMBER: 60/056,864
8	EARLIER FILING DATE: 1997-08-22	EARLIER APPLICATION NUMBER: 60/056,631
9	EARLIER FILING DATE: 1997-08-22	EARLIER APPLICATION NUMBER: 60/056,845
10	EARLIER FILING DATE: 1997-08-22	EARLIER APPLICATION NUMBER: 60/056,892
11	EARLIER FILING DATE: 1997-08-22	EARLIER APPLICATION NUMBER: 60/057,761
12	EARLIER FILING DATE: 1997-08-22	EARLIER APPLICATION NUMBER: 60/047,595
13	EARLIER FILING DATE: 1997-05-23	EARLIER APPLICATION NUMBER: 60/047,599
14	EARLIER FILING DATE: 1997-05-23	EARLIER APPLICATION NUMBER: 60/047,588
15	EARLIER FILING DATE: 1997-05-23	EARLIER APPLICATION NUMBER: 60/047,585
16	EARLIER FILING DATE: 1997-05-23	EARLIER APPLICATION NUMBER: 60/047,586
17	EARLIER FILING DATE: 1997-05-23	EARLIER APPLICATION NUMBER: 60/047,590
18	EARLIER FILING DATE: 1997-05-23	EARLIER APPLICATION NUMBER: 60/047,594
19	EARLIER FILING DATE: 1997-05-23	EARLIER APPLICATION NUMBER: 60/047,589
20	EARLIER FILING DATE: 1997-05-23	EARLIER APPLICATION NUMBER: 60/047,593
21	EARLIER FILING DATE: 1997-05-23	EARLIER APPLICATION NUMBER: 60/047,614
22	EARLIER FILING DATE: 1997-05-23	EARLIER APPLICATION NUMBER: 60/043,578
23	EARLIER FILING DATE: 1997-04-11	EARLIER APPLICATION NUMBER: 60/043,576
24	EARLIER FILING DATE: 1997-04-11	EARLIER APPLICATION NUMBER: 60/047,501
25	EARLIER FILING DATE: 1997-05-23	EARLIER APPLICATION NUMBER: 60/043,670
26	EARLIER FILING DATE: 1997-04-11	EARLIER APPLICATION NUMBER: 60/056,632
27	EARLIER FILING DATE: 1997-08-22	EARLIER APPLICATION NUMBER: 60/056,664
28	EARLIER FILING DATE: 1997-08-22	EARLIER APPLICATION NUMBER: 60/056,876
29	EARLIER FILING DATE: 1997-08-22	EARLIER APPLICATION NUMBER: 60/056,881
30	EARLIER FILING DATE: 1997-08-22	EARLIER APPLICATION NUMBER: 60/056,909
31	EARLIER FILING DATE: 1997-08-22	EARLIER APPLICATION NUMBER: 60/056,875
32	EARLIER FILING DATE: 1997-08-22	EARLIER APPLICATION NUMBER: 60/056,862
33	EARLIER FILING DATE: 1997-08-22	EARLIER APPLICATION NUMBER: 60/056,887
34	EARLIER FILING DATE: 1997-08-22	EARLIER APPLICATION NUMBER: 60/056,908
35	EARLIER FILING DATE: 1997-08-22	EARLIER APPLICATION NUMBER: 60/048,964
36	EARLIER FILING DATE: 1997-06-06	EARLIER APPLICATION NUMBER: 60/057,650
37	EARLIER FILING DATE: 1997-09-05	EARLIER APPLICATION NUMBER: 60/057,650

EARLIER APPLICATION NUMBER: 60/056,884  
 EARLIER FILING DATE: 1997-08-22  
 EARLIER APPLICATION NUMBER: 60/057,669  
 EARLIER FILING DATE: 1997-09-05  
 EARLIER APPLICATION NUMBER: 60/049,610  
 EARLIER FILING DATE: 1997-06-13  
 EARLIER APPLICATION NUMBER: 60/061,060  
 EARLIER FILING DATE: 1997-10-02

Query Match 56.9%; Score 18.2; DB 4; Length 2120;  
 Best Local Similarity 87.0%; Pred. No. 13;  
 Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 GGACTCGAGTGAATTTGCCAG 24  
 Db 600 GGAATCGAATGAGATTGCCAG 622

RESULT 14

US-09-512-250C-1  
 ; Sequence 1, Application US/09512250C  
 ; Patent No. 6518042  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Borchert, Torben  
 ; APPLICANT: Pedersen, (Executor for Lars Christiansen, deceased), Dennis  
 ; APPLICANT: Wind, Jesper  
 ; TITLE OF INVENTION: A process for Making DNA Libraries in Filamentous Fungal Cells  
 ; TITLE OF INVENTION: No. 6518042el Cloned Gene Involved in the Mismatched Repair Sys  
 ; FILE REFERENCE: 5718.200-US  
 ; CURRENT APPLICATION NUMBER: US/09/512,250C  
 ; CURRENT FILING DATE: 1999-02-24  
 ; NUMBER OF SEQ ID NOS: 33  
 ; SOFTWARE: Patent in version 3.1  
 ; SEQ ID NO 1  
 ; LENGTH: 3823  
 ; TYPE: DNA  
 ; ORGANISM: Aspergillus oryzae  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (700)..(723)  
 ; OTHER INFORMATION:  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (781)..(3576)  
 ; OTHER INFORMATION:  
 ; FEATURE:  
 ; NAME/KEY: Intron  
 ; LOCATION: (724)..(780)  
 ; OTHER INFORMATION:  
 ; US-09-512-250C-1

Query Match 56.9%; Score 18.2; DB 4; Length 3823;  
 Best Local Similarity 74.2%; Pred. No. 15;  
 Matches 23; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 2 GGACTCGAGTGAATTTGCCAGCGTGAAG 32  
 Db 1164 GGACTCGGTCGAATTTATCTAGCAGTGAAG 1194

RESULT 15

US-08-876-991-1/c  
 ; Sequence 1, Application US/08876991  
 ; Patent No. 5925360  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Gregor Meyers, Tillmann R menapf,  
 ; APPLICANT: Heinz-J gen Thiel  
 ; TITLE OF INVENTION: Hog cholera virus vaccine and diagnostic  
 ; NUMBER OF SEQUENCES: 13  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Organon Teknika Corporation  
 ; ADDRESSEE: Biotechnology Research Institute

STREET: 1330-A Piccard Drive  
 CITY: Rockville  
 STATE: Maryland  
 COUNTRY: U.S.A.  
 ZIP: 20850  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent in Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/876,991  
 FILING DATE: 16-JUN-1997  
 CLASSIFICATION: 424  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/08/747,577  
 FILING DATE:  
 APPLICATION NUMBER: US/08/650,584  
 FILING DATE:  
 APPLICATION NUMBER: US/08/469,702  
 FILING DATE:  
 APPLICATION NUMBER: US/08/123,596  
 FILING DATE:  
 APPLICATION NUMBER: 07/797,554  
 FILING DATE: 22-NOV-1991  
 APPLICATION NUMBER: US 07/494,991  
 FILING DATE: 16-MAR-1990  
 CLASSIFICATION: 424  
 ATTORNEY/AGENT INFORMATION:  
 NAME: William M. Blackstone  
 REGISTRATION NUMBER: 29,772  
 REFERENCE/DOCKET NUMBER:  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (301) 258-5200  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 12284 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 ORIGINAL SOURCE:  
 ORGANISM: Hog cholera virus  
 STRAIN: Alfort  
 CELL LINE: PK 15 and 38A1D  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 364..12060  
 OTHER INFORMATION: /label= 435\_kDA\_protein  
 FEATURE:  
 NAME/KEY: primer\_bind  
 LOCATION: complement (2587..2619)  
 OTHER INFORMATION: /label= primer\_1  
 FEATURE:  
 NAME/KEY: primer\_bind  
 LOCATION: complement (2842..2880)  
 OTHER INFORMATION: /label= primer\_2  
 FEATURE:  
 NAME/KEY: variation  
 LOCATION: replace(127, "c")  
 FEATURE:  
 NAME/KEY: variation  
 LOCATION: replace(1522, "g")  
 FEATURE:  
 NAME/KEY: variation  
 LOCATION: replace(10989, "t")  
 US-08-876-991-1

Query Match 56.2%; Score 18; DB 2; Length 12284;  
 Best Local Similarity 80.8%; Pred. No. 25;  
 Matches 21; Conservative 0; Mismatches 5; Indels 0; Gaps 0;  
 Qy 1 AGGACTCGAGTGAATTTGCCAGCC 26

Db 2757 AGGACTCGTGCAAAATGGGCACGCC 2732  
||||| || ||| || ||| |||

Search completed: August 28, 2003, 16:15:19  
Job time : 44.9147 sec

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